

International Submariner-USA

The International Submariners Association/USA is the United States chapter of an international organization dedicated to promoting brotherhood among submarine veterans of all nations.

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Our Creed

The Purpose of the ISA-USA is to: Perpetuate the memory of those who have lost their lives in submarines and to further promote and keep alive the spirit and unity that exists among all submarine crewmen, to foster friendship and goodwill internationally, remembering always our belief in the freedom of thoughts, words and deeds. Every Member shall remain loyal to his country at all times.

A Message from the President

This is the first of the newly implemented quarterly newsletters. Some of you will recall that four years ago we began sending out semi-annual newsletters and they were a welcomed change from the previous practice of having no communications from the ISA-USA.

I want to welcome every member to submit anything you think would be of interest to other ISA-USA members. The intent of this newsletter is to help forge some bond between our members. While the vast majority of our members are U. S. Submarine Veterans, we also have a significant number of members who are spouses or children of veterans. We also have a number of foreign submarine veterans; all are welcome and we encourage participation from everyone. The editor does reserve the right to select content for our quarterly newsletters and to edit any submittal to make it appropriate, but all input is welcome. If you have some special event in your life, please let us know and we can include that information too. That could include a special anniversary, birth of a child or grandchild, marriage, a hole in one, you name it and it will be interesting to our group.

We have five elected officers and I want to strongly encourage you to establish contact with one or all of these officers. We are always open to ideas and suggestions for making our organization better and more interesting.

We have also begun a process of making contact with our members who have e-mail. Initially these are in the form of weekly bulletins. The first few bulletins are focused on the next ISA convention in Istanbul, but subsequent bulletins will address other topics as those items arise. This is a good time to thank John North for agreeing to assume the job of POC. Basically you should only receive ISA-USA correspondence from our POC or from our Secretary, Bud Cunnally or our Treasurer, Bill Windle. All communications from our POC are reviewed by at least one other person before it is sent out for general distribution. The purpose of this review is to assure that the facts are correct, the grammar is correct and that the timing on the message is correct. With three sets of eyeballs looking at every message before it is sent, we have a fair chance of catching mistakes, but I am sure some will get through. When you see a mistake, just let us know.

Please look through this newsletter and let us know what you think. This will be a living document and it can and will grow and change over time.

Also, please review the included "Vision Statement" for some specific plans and goals for this two year term. I look forward to serving you and can to a better job with your input. Tell me what you think about our organization and where we are headed or where we should be headed.

Thank you

Ken Earls

There is no limit to what a man can do or where he can go if he doesn't mind who gets the credit.

Ronald Regan

International Submariners Association - USA

Vision Statement - Executive Board Elected in September 2010

Goals for the 2010 – 2012 term:

Utilizing the full Executive Board and a variety of appointed committees, the new Executive Board will focus on the following specific goals.

1. Increase the ISA-USA attendance at the next two ISA conventions by at least 25% over the average attendance at previous two foreign conventions.
2. Increase the ISA-USA membership by a minimum of 135 new members.
3. Adopt a Member recognition program, focusing on number of ISA conventions that members have attended.
4. Enhance the communications with our membership by implementing these two actions:
 - 1) Increase the number of Newsletters from two per year to four per year and
 - 2) Appoint Regional / District "Managers" for each of several designated Districts.
5. Increase the functionality and the amount of information on our web site.
6. Institutionalize the use of the Executive Board Operations Manual.

Heap high the board with plenteous cheer
and gather to the feast, And toast the
sturdy Pilgrim band whose courage never
ceased. ~Alice W. Brotherton



The officers of ISA-USA wish to extend their very best wishes for you and your families during the approaching Thanksgiving Day.

**Thank you to
Brad Canutt for volunteering to fill
the Chaplin's position
Thanks Brad!**

Arlington National Cemetery

From the Secretary John "Bud" Cunnally

I was at the Annual Veterans day observance with my cousin who was a Navy Seabee in Viet Nam. He lost his brother to Agent Orange so he makes this pilgrimage from Boston to feel closer to his comrades that were lost and of course to his brother that gave their last full measure of devotion.

The following Article appeared in the American Forces Press Service:

Arlington National Cemetery on Veterans Day By Karen Parrish

WASHINGTON, Nov. 12, 2010 - Visiting Arlington National Cemetery on an ordinary day makes the day itself extraordinary. It is a place that imposes its own mood: reflective, sweetly melancholic, unabashedly patriotic.

Rank upon rank of small white crosses stand among gently rolling, green hills. Old Guard soldiers, solemn and remote, endlessly pace a slow and ceremonial vigil before the nation's entombed and revered dead.

The Tomb of the Unknowns is here, as is the tombstone of heavyweight champion and Army veteran Joe Louis. Ira Hayes' grave is there, and Lee Marvin's. The last Buffalo Soldier and a young woman killed in the Virginia Tech shootings – the daughter of veterans – also rest here.

On Veterans Day, Arlington National Cemetery is the military's sacred grove, its place of deepest mystery. On this day above all others, people seem drawn to its sanctity.

Thousands of visitors speaking every language under the sun pass through Arlington's gates on Nov. 11. This year, as a former soldier and the wife and daughter of soldiers, I gathered my small courage to come here to honor the fallen.

Each Veterans Day, an American leader places a wreath at the Tomb of the Unknowns to honor America's veterans and service members who have died in combat. Today, hundreds of people gathered at the tomb, the heart of Arlington National Cemetery, in the hour before the ceremony.

Dotted through the diverse crowd were white-haired veterans in their service caps and men and women in uniforms -- and in wheelchairs. Patiently and quietly, adults, teenagers and small children watched and waited. The Old Guard soldiers paced.

Black wool overcoats rubbed shoulders with leather biker jackets, and red pumps stood next to running shoes. Apart from an occasional murmur from the scores of solemn spectators lining the steps, the only sounds were the whisper of falling leaves and the crisp crack of brass heel plates as the honor guard at the Tomb of the Unknowns paced off the measured movements of the Army's 3rd U.S. Infantry's vigil.

At 11 am., Vice President Joe Biden, accompanied by Maj. Gen. Karl R. Horst, commander of the U.S. Army Military District of Washington, walked into the space where normally only the guards may enter.

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Arlington National Cemetery

It is a silent ceremony. Honor guards from each service slow-march into position before the wreath is placed. They are resplendent in dress uniforms – disciplined, solemn, young, all races, both sexes, all services, completely magnificent.

Except for the commands of their leaders and the announcement of the official party's arrival, there is no speech. Speeches will follow, away from the tomb, but within that space so reverently, so ceremonially guarded, there is no room for talk.

Biden moved forward and set the ceremonial wreath in place. He stepped back and placed his hand over his heart as the piercing bugle notes of "Taps" floated through the chilly, sunlit air.

Throughout the year, Americans old and new come to Arlington, perhaps, because Arlington holds something of all Americans.

The graves belong to veterans and their families. But those veterans were part of, not apart from, their country. Like today's veterans, like today's service members -- like so many in today's American population – they were humans called to sometimes superhuman effort.

Earlier this week, a sergeant-turned-entrepreneur told me he believes Americans simplify our veterans as either victims or heroes. Veterans are people, Zack Bazzi said, and they are as complex and multifaceted as any other people.

I believe Zack is right. He was speaking to me at a volunteer event with other veterans. They

were building a house, and there was sweat, dirt, laughter and talk of beer.

It's possible that Arlington's secret is that it shows both sides of those who rest here.

These men and women simply were ordinary people who chose to serve in the armed forces of our country. Many of those resplendent young men and women at Arlington yesterday – and the generals too, most likely – went home last night and watched television, read a bedtime story or walked the dog.

Arlington National Cemetery is a military place. The U.S. military is an American institution. Part of us is in it -- a son or daughter, niece or nephew, father or mother – and it is part of us. It is part of our history, part of our legacy as Americans, a symbol of our national grief and our national strength.

A military funeral here is imbued with a weight of dignity, of profound sorrow for a brother or sister in arms. Visiting the cemetery to say goodbye to a friend or loved one brings an added dimension to the profound and dreaded act of grieving a death.

It offers a glimpse, even to those who have never served, of the simple but mysterious bonds -- truly the bonds of a family – rooted deep in the heart of those who wear or have worn the nation's uniform.

Next year, I hope to be among the visitors at Arlington on Veterans Day once again. I'll bring my daughters, and I hope they'll share the awe that I felt here on Veterans Day 2010.

ISA-USA MEMBERSHIP COMMITTEE

The membership committee has put its roots in the ground!!!

We have developed a strategic plan to increase our ISA-USA membership over the next two years. We will be developing lines of communications with USSVI Base Commanders and conducting membership drives throughout the United States and the world. As you can see each of us is an ambassador to the ISA-USA membership committee.

In the spirit of expanding the membership of ISA-USA I am requesting that you copy the attached ISA-USA application and take it to your base and tell your fellow sub-vet shipmates about the playground of the world that ISA-USA plays in and enjoys every year.

HELP, I can't do it all; I am looking for three volunteers to help me on the Membership Committee. Please contact me and I assure you that you will not be overloaded but your assistance will be of great value so we can achieve our goals.

(Bill) William J. Windle, ISA-USA Membership Chairman
tzgood@yahoo.com
(916) 988-2238

ISA-USA TREASURERS REPORT

We are well into our new term of Office since the Executive Board Officers were installed in September 2010. The bank accounts have been transferred and the closing and opening audit shows the Treasury is in order and solvent. If any member wishes to review the Treasury audit please feel free to contact me.

The Executive Board has unanimously voted to create an ISA-USA annual Budget so we can cover our annual expenses which are on going. The Board also unanimously approved an increase of the annual dues to \$25.00 and a Life Membership to \$100.00 effective July 1, 2011. I will be presenting a 2011 budget to the Executive Board by January 1, 2011 for their approval.

Annual dues which are currently \$10.00 are due January 1, 2011 and you could save ISA-USA some expense by sending in your payments by using the annual dues letter attached to this article. You could also use the letter to provide ISA-USA with any dollar amount as a volunteer "BOOSTER FUNDS" Contributor.

(Bill) William J. Windle, Treasurer ISA-USA
P. O. Box 664
Folsom, CA 95763-0664



INTERNATIONAL SUBMARINERS ASSOCIATION—UNITED STATES OF AMERICA

International Friendships run silent and run deep

November 15, 2010

Name
Street Address
City, State, Zip Code

Dear:

It's time to address your annual dues in the International Submariner Association—USA. These dues are for the calendar year 2011. We are providing you with several options on paying your dues this year.

Your ISA-USA membership number is:

Please return the bottom section with your payment.

Annual Dues, \$ 10.00 per year

Name: _____ Membership #: _____

Number of Years Renewing: _____

X \$10.00

Total Amount for Annual Dues: \$ _____

Upgrade to Life Membership (Currently \$50.00): \$ _____

Booster Club, any amount is appreciated: \$ _____

Total Amount Enclosed: \$ _____

*****PLEASE NOTE*****

MEMBERSHIP DUES WILL INCREASE ON JULY 1, 2011 TO:

ANNUAL DUES \$25.00 PER YEAR

LIFE MEMBERSHIP \$100.00

ISA-USA STORES



Patch, 4 ½ x 2 ¾ US \$6.00

REGULATION DOLPHINS



Gold US \$10.00

Silver US \$8.00



2009 convention Patch US \$7.50

MINIATURE DOLPHINS



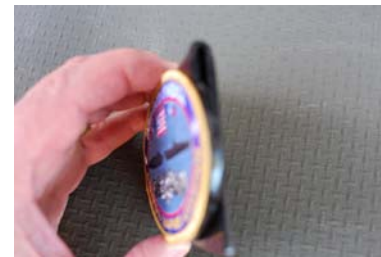
Gold US \$4.75

Silver US \$3.75

Please add the cost of shipping or postage to your order. For one patch, simply add the cost of a first class stamp. For one dolphin, add \$1.00. International orders, please request a quote for your order.



Pocket Identifier for ISA-USA



Side view of pocket identifier

US \$ 16.00 plus postage. Most ISA-USA attendees at the Israeli convention had one of these and wore them on shirts or jackets. They wore them virtually all of the time as it identified us as US participants.

**A big THANK YOU
to Carl Schmidt
for volunteering
to fill the vacant
storekeeper's position.
Thanks Carl!**

Please send all orders to:
Carl Schmidt, ISA-USA Storekeeper
23 Rockwood Road
Cabot, AR 72023
bonnynclyde@classicnet.net
Please make check out to ISA-USA

Modular Nuclear Reactors May Hold the Key to U.S. Energy Security

October 2010

By Richard McPherson

Studies show that oil reserves are forecast to last only another 40 years; natural gas for 61 years; uranium for 100 years, and coal, the world's most abundant energy resource, for 200 years. To avoid further escalation of international tensions and conflict in a scramble for energy, it is imperative to secure sources of energy to supplement those currently available.

To move in the direction of energy security, the United States needs a sustainable nuclear power industry that can provide distributed electrical and thermal energy.

There is no reason that the United States cannot achieve energy security by 2015. In 1948 there were no nuclear power plants. Five years later, the first nuclear power plant had been designed, built and placed in operation in Arco, Idaho. In 1955, another nuclear power plant was on the USS Nautilus. Today the nation has all the technology required to achieve energy security in five years.

Ignoring energy security since World War II has taken its toll by sending trillions of American dollars to purchase foreign oil. Millions of Americans are unemployed, along with millions of homes being foreclosed and more about to be foreclosed.

The American economy is in dire straits. But the nation is blessed with the best minds and most capable people in the world. What they need

are jobs. The nationwide nuclear-power industry will employ workers in every state, engineering discipline and trade. Goods and services from the 3,300 counties in America will feed into the sustainable nuclear power plant manufacturing facilities. Workers ultimately will be supplied with energy from the same small modular reactors they manufacture.

The United States Navy Nuclear Power School's 130,000 graduates have given the Navy and U.S. nuclear power experience an unparalleled record of excellence and safety for all others to emulate.

Oregon State University has a scale model of a small modular reactor. It can be mounted on a shaking table to conduct the seismic analysis for any proposed site. Domestically there are at least two small modular reactor designs. One comes in 45-megawatt modules from NuScale Power. The other is in 125-megawatt modules from Babcock & Wilcox.

Standardized small modular reactor designs manufactured in large numbers will allow for efficient and cost effective scientific and engineering studies of cores, steam generators, reactor vessels, rod drive mechanisms, burnable poisons, radiation shielding, electronic controls and instrumentation, along with primary and secondary chemistry and material selection for corrosion control and longer operating life. After refueling, nuclear cores eventually recycled

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Modular Nuclear Reactors May Hold the Key to U.S. Energy Security

at a domestic facility will allow post operations studies of cores for improved power capabilities, reliability and efficiency. American control over those nuclear cores will aid in reducing proliferation of nuclear weapons as the enriched fuel will be closely monitored.

The national laboratories will be among the first recipients of distributed electricity from nuclear power.

Here's an idea: Set aside 15,000 acres in one or more states like Minnesota, Mississippi, Ohio, Oregon or Texas. Design, build and operate a complete electromagnetic pulse hardened modular and sustainable nuclear power electricity generating plant manufacturing facility. Set a goal to manufacture one small modular nuclear plant with a 60-year life expectancy ready for shipment every four days. Set up a special purpose corporation to purchase the electromagnetic pulse hardened reactors and lease them to users. The same corporation would purchase the nuclear fuel cores and lease them to the users. Start with supplying power to critical government infrastructures.

There are 19 national labs requiring an average of three 45-megawatt or one 125-megawatt modular nuclear power plants: Ames, Argonne, Brookhaven, Fermi, Idaho, Lawrence Berkeley, Livermore, Los Alamos, National Energy Technology, National Renewable Energy, New Brunswick, Oak Ridge, Princeton, Pacific Northwest, National Institute of Stan-

dards and Technology, Sandia, Savannah River, SLAC National Accelerator and Jefferson labs. This effort alone would put more than 2,500 megawatts of new sustainable and reliable distributed power in place nationally.

The natural follow-on is the 400-plus Defense Department facilities, along with various federal and state government facilities, ports and airports, including first responder communication and operation centers.

Adding these distributed and hardened modular nuclear power plants around the country will allow older, less efficient and vulnerable fossil fueled power plants to be shut down, thereby reducing emissions.

All the necessary elements are available to build a modular and sustainable nuclear power and transportation fuel industry. There is only one question to answer. Does America and the nation's politicians have the will to travel the path to energy security?

Richard McPherson is executive vice president of DownRange Global Solutions Inc. He is a retired U.S. Navy nuclear engineering officer. He served as the U.S. representative to the International Atomic Energy Agency on a six-nation group following the accident at Chernobyl. He can be reached at 949-677-5389.

Navy Announces First Sub Officer Assignments for Women

By Karen Parrish

I mentioned this to my wife, that if this is the case I wanted to re-enlist for another 8 years. This was not a good thing to express my thoughts to one's spouse on the subject. **The couch is not as comfortable as our queen sized bed.** She may let me off the dink list by Christmas. —John "Bud" Cunnally, Secretary

WASHINGTON, Oct. 21, 2010 - Two dozen women will begin reporting to four submarines by the end of next year, marking a new milestone in the 110-year history of the submarine force, Navy officials announced today.

Six female officers each will join the crews of the USS Wyoming, USS Georgia, USS Maine and USS Ohio, Navy Submarine Group 10 officials announced in a news release.

Three female officers will be assigned to each of the subs' two crews. The Wyoming and the Maine are nuclear-powered ballistic missile submarines, and the Georgia and Ohio are nuclear-powered cruise missile submarines.

Submarines of these two classes are assigned two full crews, known as blue and gold crews, which rotate between sea and shore duty to maximize the time a submarine can spend in its assigned area.

Two of the women in each crew will be submarine officers, and the third female officer will be a warfare-qualified supply officer. They will be assigned to their first submarine duty station after nuclear power school, prototype training and the Submarine Officer Basic Course. They are expected to report to their assigned submarines beginning in December 2011.

Navy Lt. Rebecca Rebarich, the submarine group's public affairs officer, said today the new

submarine officers were commissioned through the U.S. Naval Academy, ROTC programs and Officer Candidate School. All 24 women have been identified and will join their new crews at about the same time, but the Navy is not releasing their names while they undergo training.

"We want them to be able to focus on what they're doing while they're in training," Rebarich explained. "Today's announcement is part of the process of integrating women into submarine crews. This is just another step."

Submarine Group 10 is commanded by Rear Adm. Barry Bruner, who leads the Navy's Women on Submarines Task Force.

The Navy's integration of women into submarine crews has been under way since Defense Secretary Robert M. Gates notified Congress in February the service wanted to add women to its submarine crews. Following a congressional review, Navy officials announced April 29 they would begin accepting women's applications for submarine officer training.

Navy Secretary Ray Mabus, a former Navy surface warfare officer, declared his goal of integrating women into the submarine forces soon after taking office in May 2009. Adm. Gary Roughead, chief of naval operations, seconded Mabus's initiative. The admiral said in a statement released in September 2009 that his experience commanding a mixed-gender surface-combatant ship makes him very comfortable integrating women into the submarine force.

The Navy first allowed women to serve on surface noncombatant ships in 1973 and on surface combatant ships in 1993.

Diesel-Electric Submarines, The U.S. Navy's Latest Annoyance

By Grace Jean, National Defense Magazine

The Navy in recent months has had to contend with several provoking episodes at sea – Iranian small boats speeding at its cruisers, destroyers and frigates; Russian bombers flying over its carriers; and Chinese subs shadowing its warships. Hard-to-detect submarines – such as quiet, diesel-electric boats – are particularly vexing, Navy officials say. They contend that an undersea arms race already has begun in the western Pacific.

Nations there in recent years have begun to acquire stealthy diesel-electric submarines. Some of those nations, say Navy officials, could one day threaten U.S. access to strategic coastal areas of the world or interrupt the flow of commerce around the globe. Although the Navy has the world's most technologically advanced fleet – including state-of-the-art nuclear attack submarines – officials acknowledge that these comparatively low-tech diesel-electric boats could give an enemy an asymmetric advantage.

"The beauty about a diesel submarine is that it has the potential to be far quieter than a nuclear submarine," says Guy Stitt, president of AMI International, a Bremerton, Wash.-based company specializing in naval market analysis. Diesel boats are propelled by batteries when submerged and move through the water by diesel engines when on the surface. Once they have powered up their batteries, the submarines can sail to the bottom of coastal waters and remain undetected for days. Though they can't travel long distances or sail very quickly, advancements in technologies, such as air-independent propulsion and fuel cells, have allowed diesel submarines to extend their operational ranges underwater. But perhaps their best selling point is their relatively inexpensive price

tags. The Russians have sold diesel submarines for as little as \$200 million and the French have exported their Scorpene submarines for \$300 million.

"It is within the scope of many, many countries to be able to afford them. They don't need a lot of them. They don't need to sail them very far, and they don't have to be particularly proficient with them," says Vice Adm. Samuel Locklear, commander of the Navy's Third Fleet, which prepares strike groups to deploy to the Pacific and the Middle East.

More than 39 nations possess diesel submarines. One of the latest tallies indicates a total of 377 ships in the world, says Richard Dorn, an analyst at AMI International. And there could be an uptick in the next few years. With China continuing to increase the size of its navy, a number of neighboring nations also have begun to develop their undersea capabilities. "There's a push on in Asia that really seems to be driven by China," says Stitt. Singapore, Malaysia and Indonesia all have closed deals on diesel submarines, and now Thailand is following suit.

Driving the market in part is Russia, which during the past 18 months has been aggressively selling ships, including its Kilo-class diesels. "We've seen a huge increase in the number of sales that they're booking for Kilos, primarily motivated by the need for funds to strengthen their second tier shipbuilding groups," says Stitt. Since the end of the Cold War, Russia has lost many of its secondary shipyard suppliers – the engine, pump and valve manufacturers, piping companies and the

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like. But Russia is attempting to revitalize those small companies.

"They're going out and making all these deals to sell submarines and ships and using those funds to reinvigorate the industry, which in turn will also benefit them in building up the Russian fleet," says Stitt. Russia has exported 30 Kilos around the globe and 26 are still in active service. It will deliver two more submarines to Algeria by 2010, five to Venezuela by 2020, and six to Indonesia by 2018. China received its 12th and final Kilo last year. The number of Kilos that are being sold is particularly concerning because many of the submarines are equipped with Klub anti-ship cruise missiles.

Some nations have a desire for regional hegemony and want to strengthen their influence in an area. That's most definitely the reason for President Hugo Chavez buying subs for Venezuela, says Stitt. But for other nations, the reasons are less clear. "There's a wide array of military assets you can buy, so why would you buy a diesel-electric submarine? As far as I know, it's not to protect your own port," says Locklear in an interview at Third Fleet headquarters perched atop Point Loma in San Diego.

That China's submarines are surfacing boldly near U.S. warships is a telltale sign of newer advanced technologies, such as acoustic tiles and cavitation-reducing propellers, that are being employed on the submarines, says Stitt. China's new Song-class diesel submarines have tracked U.S. Navy ships operating in the seas near Japan and Taiwan. Last November, after China denied the USS Kitty Hawk's port call in Hong Kong at the last minute, a Chinese submarine shadowed the carrier as it

entered the Taiwan Straits on its return voyage to Yokosuka, Japan. In the late fall of 2006, a Song-class submarine surfaced within torpedo range of the Kitty Hawk off the coast of Okinawa, Japan.

Despite the tensions, those episodes and the topic of submarines did not come up directly in conversations with Chinese officials in January, when the commander of Pacific Command, Adm. Timothy Keating, visited the nation. "We watch them carefully. It's an area of warfare at which they're stretching a little bit," he told reporters during a breakfast meeting in Washington, D.C. "Their numbers of submarines are increasing. The capabilities resident in those submarines are not unimpressive. They're pretty good – we're better."

China's fleet of nuclear and diesel submarines includes 10 Song class, 12 Kilo class, one Yuan class and 32 Romeo class.

"We know that they are continually expanding their reach in what they view as their own areas of interest, and that their submarine force is vital to expanding that reach," says Locklear. The proliferation of diesel submarines in the Pacific is one of the major factors behind the Navy's decision to move six submarines from the Atlantic Fleet to the Pacific Fleet, says Rear Adm. Joseph Walsh, commander of the Pacific Submarine Force. Because more than 140 diesel subs are within reach of critical "choke points" in the area, anti-submarine warfare is Pacific Fleet's top war-fighting priority, he adds.

The Navy saw its anti-submarine warfare skills diminish after the end of the Cold War. In those days, enemy Soviet nuclear submarines were noisy, and could be detected with passive so-

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nar. But modern-day diesel submarines are not as easily heard, particularly in regions of the seas where biological life and merchant shipping can camouflage their acoustic signatures. It is there, in the noisy waters of the littorals, where detecting submarines can be a cat-and-mouse game, Navy officials say.

Rear Adm. John Waickwicz, who was the head of the Naval Mine and Anti-Submarine Warfare Command until he retired in January, says the Navy is looking at anti-submarine warfare in new ways. "When you talk about countries that have 30, 40, or 50 submarines, you can't wait until they're around you, because they're going to overwhelm you," he says. Potential enemies have figured that to defeat the U.S. Navy, they must "go out and buy submarines, and buy mines," he says. The mine and anti-submarine warfare command is calling for the deployment of a network of sonobuoys over a wide expanse of ocean to detect enemy submarines. But the project has been marred by technological and funding problems. The most significant hitch is that the data collected by the sensors takes too long to analyze, says Waickwicz. "You need to do it in real time to take action on it."

False alarm rates on many of the fleet's current detection technologies are too high, Waickwicz adds. That forces commanders to waste resources on non-existent threats. Officials insist that the Navy's anti-submarine warfare capabilities are the best in the business, but they acknowledge that it will take some time to hone the skills to combat stealthy diesel submarines. Waickwicz says that training has improved in recent years, but some individual units are not adequately prepared for at-sea operations. For example, some units have

demonstrated sonar operator proficiency on simulations that are not sophisticated enough to replicate the real environment, which puts the sailors at a disadvantage when they conduct operations at sea, says Rear Adm. Frank Drennan, the new commander of the Naval Mine and Anti-Submarine Warfare Command. "The requirements are still the same – they just have to work on them in a challenging environment so that operators are truly proficient when they go to sea," he says.

Hunting for quiet diesel submarines in the shallow waters of the littorals is akin to trying to identify the sound of a single car engine in the din of a major city, he says. There are variations in the underwater topography, with sand bars, coral reefs and channels. Different depths of water and changing salinity and temperatures alter how sounds propagate. Marine life and merchant shipping also complicate the search by generating ambient noise.

The only technology that the Navy considers suitable for detecting and tracking diesel submarines is active sonar. It disperses signals out into the water where they bounce off of objects. Those echoes are captured by hydrophones and interpreted by sonar technicians. Contrary to popular belief, sonar is not like radar, which gives complete visibility of "hits" in the air. What sonar technicians see is a screen that is filled with vertical lines representing echoes from objects in the water. Discerning which line is a submarine and which one is a coral reef is a difficult and complex task, sailors say.

The Navy spent 40 years building a training range

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By Grace Jean, National Defense Magazine

on the coast of Southern California – one of the most extensive in the world, officials say. Underwater sensors track ships' locations and record operations during exercises. Because the water and ocean bottom conditions are representative of many areas around the world, the range is an ideal location for training strike groups in anti-submarine warfare, says Locklear. But the Navy's training there has been curtailed by ongoing litigation over the harmful effects of active sonar on marine mammals.

Under a federal judge's ruling, ships were forbidden from using active sonar within 12 nautical miles of shore and had to steer clear of waters between the Santa Catalina and San Clemente islands during a joint training exercise in January for the Abraham Lincoln carrier strike group. Sightings of marine mammals at certain distances also prompted ships to take protective measures, such as powering down sonar or shutting the sensors off completely.

"We're not able to employ the sonar, given those restrictions, in a realistic manner, and it just makes it real tough to assess whether the fleet is proficient at using the technology," says Capt. Pete Tomczak, deputy director for training at Third Fleet. The use of sonar by the Navy has been linked to mass marine mammal strandings on beaches in the Bahamas and the Canary Islands. Pending necropsy results, the death of a northern right whale dolphin that washed up Jan. 29 on the Navy's San Nicolas Island could be connected to sonar use.

Locklear says the Navy tries to balance its responsibility to protect the environment with its job to prepare sailors for war. He expresses concern that

the judge's ruling, if extrapolated beyond Southern California, could hamper Navy training around the world. "If this becomes precedence setting, I think it will be very difficult for the United States Navy," he says. "If there was a new technology on the horizon that made this irrelevant, we would be all over it. We just haven't found it yet."

With prospects of at-sea training diminishing, not only because of the litigation, but also as a result of rising fuel costs and other budget constraints, the Navy is searching for alternative ways to prepare its sailors for anti-submarine warfare. One option is to rely on simulators, says Waickwicz. But he points out that current simulations in the Navy do not replicate sonar accurately. "It's like playing 'Pong' in today's game world," he says. While the submarine forces have higher fidelity trainers, much of the rest of the fleet – especially surface ships – have sub-par simulations.

"Computer simulations can only go so far. There is still no substitute for at-sea practice against a real submarine," says Pacific Fleet's Walsh. Because the U.S. Navy no longer operates diesel-electric submarines, it invites allied countries that own these boats to participate in exercises at Navy ranges on the east and west coasts. The Swedish Navy's HMS Gotland collaborated most recently with various Navy commands in San Diego.

"It was very advantageous to have a diesel submarine crew for two years, to see how they thought, how they approached the issues to go against the ships," says Waickwicz. "It really opened our eyes to diesel submarines and how active sonar is what you have to have in the strike group." The experience led to recent changes in the Navy's anti-submarine warfare doctrine and tactics.



When was the last time you slept on a submarine?

If your answer is not October 13, 2010, you missed an excellent opportunity to “bond” with your buddies on board the Pampanito SS 383 at San Francisco’s Fisherman’s Wharf.

Several submarine veterans organizations helped host this year’s “Annual Sleepover” on board the WWII diesel submarine Pampanito SS 383. The approximately 35 attendees included members of the local USSVI bases, of whom over half were ISA-USA members, and several of those who were non-sub connected.

The festivities started with a catered buffet on the pier. Once the buffet secured, everyone separated into “splinter groups” and proceeded to tell sea stories well into the wee hours of the morning. You couldn’t sleep even if you tried. Can you imagine the after battery compartment filled with men in their senior years, all competing in a snoring contest. I slept in the XO’s stateroom and could still hear the noise.

Not being able to sleep, 0430 arrived as it was time to start preparations for serving breakfast to all aboard. (Yes, the cook-tops & ovens still work after 65 years) The menu included eggs cooked to order, omelets, bacon and SOS on toast. One of the WWII attendees even asked for seconds on the SOS. Several of the ISA attendees assisted by volunteering their mess-cook skills.

Topside Quarters were at 0800 and the event was secured until next year.

This event that I have described above is yet another reason for being an ISA member and becoming involved in the Submarine Community nearest you.

John C. North

Vice President ISA-USA



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After the war George continued his distinguished naval career becoming a Senior Naval Officer West Indies (SNOWI). He emigrated to Australia where he lives today.

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Why Join the ISA-USA?

The Purpose of the ISA-USA will be: to Perpetuate the memory of those who have lost their lives in submarines and to further promote and keep alive the spirit and unity that exists among all submarine crewmen, to foster friendship and goodwill internationally, remembering always our belief in the freedom of thoughts, words and deeds.

As a member of the ISA-USA you will benefit in many ways.

1. Be part of a 47 year tradition of international friendships of submarine sailors. Check out www.submariners.org for the history of this association
2. Travel to foreign countries to participate in conventions



Members include submarine veterans from E-3 to O-10.

Members include currently active submariners, both enlisted and commissioned.

Members include spouses of submariners and adult children of submariners.

Members include submarine veterans from numerous foreign countries.



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Submariner's Association



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2011—Istanbul, Turkey

2012—Kiev, Ukraine

2013—Italy

2014—TBD

2015—TBD

**Application for Membership
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Association -
United States of America**

Name _____

St Address _____

City _____

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Boats _____

Boats _____

(Actual boat experience is not necessary for membership)

Phone _____

Alt. Phone _____

E-mail _____

(Please print clearly)

Date Submitted _____

Dues are \$10.00(US) (Jan 1-Dec31)
Life membership \$50.00*

Member of USSVI:
Yes _____ No _____

Mail application to:

ISA-USA
William Windle
PO Box 664
Folsom, CA 95763-0664

For more information, contact ISA-USA's
Membership Chairman:

Bill Windle
916-988-2239
Or
tzgood@yahoo.com

* Subject to change

Meeting Minutes of the International Submariners Association" (ISA) of the United States of America

04 Sep 2010

The annual meeting of the ISA SubVets was held at the 2010 U. S. SUBMARINE VETERANS NATIONAL CONVENTION USSVWWII - USSVI, at the Drawbridge Hotel and Convention Center • 2477 Royal Drive, Fort Mitchell, KY on 04 Sep 2010.

The meeting was opened at 1100 hours, in standard ceremonial form, with a call to order by the Secretary/Treasurer Ken Earls as the President and the Vice President were unable to attend.

There were no minutes for the last meeting to be read. There was also no Treasurers report as the new Treasurer is assuming that position today.

There were a total of twenty (20) members at the meeting. Members in attendance recited the Pledge of Allegiance.

The Code of Conduct in the ISA constitution was discussed with the recommendation that we have the right to exclude undesirable members. It was tabled.

Ken spoke about the qualifications for membership in our organization and he educated us in the fact that anyone who is interested in Submarines can be a member.

He also spoke about the advantages and lower costs of attending the once a year international congresses. Bill Windle also mentioned the wonderful time everyone had in the last meeting in Israel and how he had gone on a side trip to Jordan. The visits to all of the biblical locations were truly inspiring. He also stated that he had spoken to a travel agent and the same trip would have cost about \$5,000 in US dollars rather than the almost half he paid for this trip.

There was a member present that did not receive his membership card. Ken apologized that some of our member's status had fallen through the cracks. However with our new organization we will do our best to see that it does not present any issues in the future.

John Markiewicz former ISA Board member performed the change of command ceremony to swear in the new officers of the ISA that were present.

They are:

President Ken Earls

Treasurer Bill Windle

Secretary John "Bud" Cunnally

The rest of the officers will be affirmed later.

A conversation took place about the trips coming up in Istanbul, Turkey, (2011) Kiev, Ukraine (2012) and TBD, Italy in (2013).

Ken asked for specific coordinators for the trips and this will be considered by the members.

There was a good discussion about getting the best pricing for airlines and some of the members have voiced the desire to help in this regard.

A suggestion to get our organization out to the rest of the Submarine community was made by a member who urged us to put up a blog on our web site. Everyone seemed to agree if we can keep the nonsense off of this very valuable tool.

Ken mentioned that Australia and Greece are vying for hosting the congress in 2014.

ADJOURNMENT

All business before the group having been concluded, a motion to adjourn the meeting was made, seconded and carried. The meeting adjourned at 1245 hours.

Following the meeting we had visits from John Carcioppolo and Carl Schmidt. They are interested in becoming members and joining us in the fun part of being submariners. **(Editor's note, Carl Schmidt has been an ISA-USA member since the Alaskan Cruise in 2007. Carl was searching for any interest in him becoming more involved in the ISA-USA. We are happy to have him as our new Storekeeper)**

List of participants at the ISA meeting.

Joe J. Barnack	John Markiewicz
Thomas Beach	Paul McElhaney
Jack Bellmore	Jack Messersmith
Deirdre Bridwell	Columbia O'Gorman
John Carcioppolo	Arther Ober
John "Bud" Cunnally	Sam Ronnie
John Dudas	Carl Schmidt
Ken Earls	David Self
Dave Harvey	John Ward
Ed Kracker	Bill Windle

Respectfully Submitted

Bud Cunnally, Secretary

A Brief History of Turkey

Shipmates and Friends

Thought you might enjoy a short article about Turkey and its world interest in this and the next issues of the ISA-USA newsletters.

I recently saw a movie with Tony Curtis (an honorary US submariner) called "You Can't Win 'Em All". This movie really got my interest because it was filmed in Turkey and took place during Greco-Turk war in 1920. Probably like you I had no idea about the wars in Turkey and their history.

Turkey became the Republic of Turkey in 1923 and has been its own nation since then. Previous to this period, Turkey was occupied by the Ottoman Empire, which ruled Syria, Lebanon, Iraq, Jordan, Israel, Saudi Arabia, Yemen, and several Islands in the Aegean Sea.

Speaking of the Aegean Sea, let's look at the location of Turkey in Europe and Asia! The country is surrounded by 3 major waterways, the Black Sea on the North, the Mediterranean in the South and the Aegean Sea on the West. In the Northwest; there is also an important internal sea, the Sea of Marmara, between the straights of the Dardanelles and the Bosphorus and important waterways that connect the Black Sea (and Russia) with the Mediterranean and the rest of the world.

The city of Istanbul (known as Constantinople in ancient times) was the main city dividing Europe and Asia. In 1451 Istanbul was a Christian area but when the Crusades came to a close, Western Europe was leaving that area which allowed the Ottoman Empire to attack Istanbul and capture the city thus ending the Christendom era of their history. From 1453 thru the 1920's the Ottoman Empire had a dynamic role in shaping world and international politics. A little more interesting history, this areas ancient inhabitants were among the world's first agriculturalists. Such civilizations as the Hittite, Phrygian, and Lydian flourished in Asiatic Turkey (Asia Minor), as did much of the Greek civilization. After the fall of Rome in the 5th century, Constantinople was the capitol of the Byzantine Empire for 1,000 years until the Ottoman Turks overran it in 1453.

The US gave Turkey 22 Submarines after WW2!

The current exchange for the Turkish Lira, US 1=1.52 Turkish Lira (editors comment, this article was written about three weeks ago. The exchange rate changes daily and you need to check for the current exchange rate).

Did you make a Med Cruise and get to Greece and or Turkey? If you did, how about sending us a comment or small amount of information to share with everyone.

Thank you,

Lon Schmidt



48th International Submariners Congress 2011

23 – 27 May, 2011 Istanbul Turkey

The Turkish Submariners Association would like to extend an invitation to our fellow Submariners and their guests from all around the world to attend the 48th International Submariners Congress in May 2011.

We are pleased to announce that Congress will be held in Istanbul, a unique city in the world connecting two continents; Europe & Asia, the crossroads of civilizations and the European Capital of Culture for 2010.

*It is our honour to share with you that in 2011, Turkish Submariners will celebrate the **125th Anniversary of the Submarine Service.***

You are most welcome to join the congress and explore this marvelous city, blessed with natural beauty, cross cultural prosperity and historical legacy of thousands of years' history.



REGISTRATION FORM www.isa-turkiye-2011.com

Mr. Mrs.	<i>Please complete this form using CAPITAL</i>	
Family Name (please underline) / First Name, Initials	<i>letters and return before April 22nd, 2011</i>	
Universal Travel Services		
Submariners 48		
Passport No	Expiration Date	Universal Bldg. Ferah Sok. No:29 Tes-vikiye
34365 Istanbul - TURKIYE		
Tel : +90 212 246 7401		
Place of issue	Date of Birth	Fax : +90 212 246-2908
E-Mail : universal@universaltravel-tr.com		
Street, no	State (if applicable)	
P.O.Box	Postal / Zip Code	City
Country	E-Mail	
Cell Phone	Telephone Residence / Work	Fax
Accompanying Guest Name(s) (Mr/Ms)		Passport Number(s)
Special requirements (e.g. Diatery, meals, disabilities, etc.)	T-Shirt Size(*)	Male Female
XS-S-M-L-XL-XXL		
<i>*write separately for both</i>		<i>participant</i>
<i>and accompanying guest(s)</i>		
Registration Fee Fee per person Nb. Of participants TOTAL		
Participant and accompanying person(s)	470 Euro	
Optional Dinner & Show at Night Club May 24	65 Euro	
GRAND TOTAL		
<i>We kindly ask you to register in advance; the registration system will be closed on 22nd of April</i>		
Airport / Hotel / Airport transfers (included in the registration fee only on May 23 and May 27)		
To Istanbul from City/Country: Flight Nb: Arrival time:		
From Istanbul to City/Country: Flight Nb: Departure time:		
Please indicate which tour you want to participate on May 26 (cost already included in the reg. fee)		
Option 1 "Shopping Tour" (please write the nb of people participating on the next column)		
Option 2 "Golden Horn Tour" (please write the nb of people participating on the next column)		
Payment		
Method of Payment: Bank Transfer Visa Mastercard		
Credit Card Number		
Expired Date CVV2 Code:		
month year Last 3 digits of the number at the back of the card		
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Bank details: Turkiye Is Bankasi Branch Name: Fulya Account Number: 1197 0003208		
Swift Code: ISBKTRISxxx IBAN Number: : TR 680006400000211970003208		
Bank charges are the responsibility of the attendee and should be paid at source in addition to the registration fees		
Please send the copy of the bank transfer confirmation by fax or e-mail.		
Cancellation Policy		
Any cancellation up to 45 days prior to arrival is subject to 50 Euro cancellation charge. There will be no refund for		
the cancellations made less than 45 days prior to arrival.		
Date	Signature:	

International Submariner-USA
c/o Ken Earls
7178 Prairie Ridge Road
Prescott Valley, AZ 86314



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