

# PHD SENTINEL

NAVAL SURFACE WARFARE CENTER, PORT HUENEME DIVISION

OCTOBER 2011



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Vice Adm. Architzel Visit

500th Tomahawk Test Launch

USNS Washington Chambers Visit

## A Message from the Technical Director



Mr. Timothy Troske

The NAVSEA focus for October is on implementing energy and environmental initiatives. NAVSEA is committed to energy conservation and preserving the environment and fully supports the Secretary of the Navy's energy goals. The major components of this focus include: reducing our ships' dependency on fossil fuels and their impact on the environment; striving to be good stewards of the environment with innovative energy conservation measures; and, through energy conservation, successfully achieving cost savings and increasing fleet readiness. At PHD we are committed to these same concepts.

With regard to energy conservation, our Facilities Division, Code 107, has been actively working with the Naval Base Ventura County Energy Office and the Naval Facilities Engineering Service Center to develop energy saving projects that will reduce our energy footprint.

Over the past year, PHD has changed the interior lighting of three buildings, 445, 452, and 1386, by reducing both the number of fluorescent bulbs in the light fixture from four to two or three to

two, and reducing the wattage of the fluorescent bulbs from 32 watts to 28 watts. In Building 1387 lobby, the mercury vapor lighting was replaced with light emitting diode technology, which reduced the annual utility cost by \$2,300 through the reduced wattage of the diodes. In Buildings 5186 and 5219, the air conditioning units were replaced with energy efficient, right-sized units. In Building 1214, the training rooms were air conditioned with high-efficiency units.

Over the past two years, PHD has made substantial progress toward reducing electrical, natural gas and water usage. The Shore Installation Energy and Water Management Annual Report, prepared by Naval Base Ventura County, reported that PHD achieved a 21 percent reduction in water consumption from fiscal 2008 to fiscal 2009 and a 39 percent reduction from fiscal 2009 to fiscal 2010. Over this two-year period, PHD water consumption reduction equated to \$103,000 saved. These water savings were the consequence of reduced landscape watering requirements, the addition of meters for timed

watering of landscape areas, and improvements to various restrooms, including water heaters that provide immediate hot water to the sink.

Energy reductions were also achieved in electrical/natural gas usage with an 8 percent reduction from fiscal 2008 to fiscal 2009 and 26 percent reduction from fiscal 2009 to fiscal 2010. These reductions saved PHD \$252,000 over two years. Current fiscal 2011 data shows continuing reduction trends; final results will be available later this calendar year.

Next year, PHD will initiate more energy saving projects, including reducing the number of overhead lights in Buildings 442, 444, 1215 and 1380, as well as reducing the number of fluorescent bulbs in the fixtures.

As part of the Navy's program to reduce dependency on fossil fuels, the Self Defense Test Ship will soon begin using a 50/50 blend of biodiesel and diesel. This test, over several months, will assess the viability of biofuel in surface combatant gas turbine engines under realistic conditions.

To support preserving our environment, Capt. DeBow

signed a Green Procurement Policy Statement last June that discloses PHD's position with regard to procurement decisions. An excerpt from the policy states that NSWC PHD "will consider environmental factors in all purchasing decisions and will give preference to those products and services designated by or recommended in federal green procurement preference programs."

This policy applies to decisions for all procurements, including service contracts, equipment, material products and hazardous material purchases.

A few of the items mentioned in the policy are:

- Recovered material: e.g., recycled toner cartridges, copier and printer paper
- Energy-efficient lighting
- Non-ozone depleting substances; and
- Alternative fuels/alternative fueled vehicles

Preserving the environment and conserving energy is a continuous process and I encourage all of you to pitch in and do your part. Through our combined efforts, we can achieve measureable success in this area.

*Vice Adm. David Architzel (l) is greeted by Capt. William DeBow upon his arrival at Port Hueneme Aug. 19, 2011, while (l to r) Capt. (Sel.) Scott Davis, Jim Vallas, Wes Holser, and Tim Jones look on. Photo by Charlie Houser.*



PHD SENTINEL	
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# Command Helps USS Normandy Successfully Execute 500<sup>th</sup> Tomahawk Missile Test

By Elias Saleh, Land Attack Department

On July 20, 2011, Tomahawk Weapon System engineers from NSWC PHD's L Department supported and coordinated a significant Tomahawk missile test executed by USS Normandy (CG 60). The cruiser successfully launched a Block IV Tomahawk Land Attack Missile from its Vertical Launch System while operating in the Key West Warning Area off the coast of southeast Florida. The missile transited through the Gulf of Mexico and into the Eglin Air Force Base weapons range, impacting the intended target within accuracy specifications.

The operational test launch (OTL) marked a major milestone in the history of naval weapons system test and evaluation as the 500<sup>th</sup> Tomahawk flight test conducted by the Tomahawk Weapons System Program Office and the PEO for Unmanned Aviation and Strike Weapons.

The OTL was also significant as it was the final test event in an integrated testing phase intended to evaluate the capabilities of a new Tactical Tomahawk Weapon Control System (TTWCS) upgrade—TTWCS version



*A Block IV Tomahawk Land Attack Missile launches from USS Normandy (CG 60) as part of a Tomahawk operational test launch conducted in the Key West Warning Area off the coast of southeast Fla., on July 20, 2011. Photo courtesy of Fleet Combat Camera Atlantic, Norfolk, Va.*

5.4.0. During the OTL, the Normandy strike team was tasked with creating and planning the mission in real time using the Launch Platform Mission Planning capability resident in TTWCS.

Additionally, the test event marked the first surface ship launch of a Tomahawk configured with a Selective Availability Anti-Spoofing Module Global Positioning System receiver.

"It was a privilege to be part of the team to help accomplish a major milestone for the Tomahawk program," said Pablo Dasalla, NSWC PHD platform test coordinator. "It was also a testament to the outstanding performance of the Normandy crew; they were really the true heroes."



*Tomahawk Weapon System engineers from NSWC PHD's L Department gather with members of the USS Normandy (CG 60) crew around the ship's missile launch door while at sea for the 500th Tomahawk missile test launch. Photo by ISC Gabriel Torres.*

# PHD Hosts NAVAIR Vice Admiral and Guests

By Nichole O'Grady, Command Communications Office



Capt. DeBow presents Vice Adm. Architzel and Rear Adm. Winter with a framed photo of a missile firing on USS Wayne E. Meyer (DDG 108) during a command visit on Aug. 19, 2011. Photo by Charlie Houser.

It was a busy day for Vice Adm. David Architzel, commander, Naval Air Systems Command, who spent the day in California touring Point Mugu before visiting NSWC PHD on Aug. 19, 2011.

Upon his arrival at NSWC PHD, the admiral received briefs and tours of the Self

Defense Test Ship and Surface Warfare Engineering Facility. Throughout the visit, Architzel was joined by Rear Adm. Mat Winter, Naval Air Warfare Center Weapons Division (NAWCWD) commander, and NAWCWD Executive Director Scott O'Neill.

NSWC PHD Commander

Capt. William DeBow led the briefings detailing Port Hueneme's mission to support the fleet.

Overall, the day proved to be a successful meeting of the minds and an opportunity to share key information.

### Recent Changes in Leadership Positions

 Cmdr. Seiko Okano Department Officer, Air Dominance	 Lt. Cmdr. John Arnaud Department Officer, Ship Defense & Expeditionary Warfare
 Capt. (Sel) Scott Davis Deputy Commander, Office of Engineering & Technology, & Chief Engineer	 Lt. Cmdr. Patricia Sweat Department Officer, Land Attack

# Washington Chambers Crew Receives UNREP Training, Demos New Cargo Delivery System

By Alyce Moncourtois, Command Communications Office



Crew members from USNS Washington Chambers (T-AKE 11) prepare for an UNREP maneuver during training at the UNREP test site Sept. 13, 2011. Photo by Charlie Houser.

NSWC PHD's underway replenishment (UNREP) personnel provided specialized, ship-specific training on the Navy's UNREP system for the crew of USNS Washington Chambers (T-AKE 11) during the ship's visit to Port Hueneme Sept. 12-16.

The training was a rare opportunity for collaboration between the ship's crew and the UNREP engineers with regard to enhancing the crew's UNREP skills and elevating their knowledge of the equipment while providing system design engineers valuable feedback about future systems.

"This has been a great opportunity for our UNREP systems design engineers to get feedback on the UNREP system design from the mariners who unrep every day," said Rich Hadley, UNREP design branch manager.

When asked about the hands-on operation

of the new system, Washington Chambers cargo engineer Rick Newbegin stated, "The control of the new system will be easier to operate, and the control system design is similar to current systems installed in Washington Chambers."

Washington Chambers operates under the Military Sealift Command with a crew of civil service mariners and plays a crucial maritime role delivering ammunition and other supplies to Navy ships at sea, allowing them to remain underway and combat-ready for extended periods of time.

NSWC PHD is the only Navy command with a dedicated test site for the sole purpose of testing and evaluating UNREP concepts, prototypes and in-service UNREP system components.



NSWC PHD employees tour USNS Washington Chambers (T-AKE 11) during her visit to Port Hueneme Sept. 12-16, 2011. Photo by Nichole O'Grady.

# ORTSTARS Reaches Two-Year Milestone

By Nichole O'Grady, Command Communications Office

September 2011 marked the two-year milestone for the Operational Readiness Test System Tech Assist Remote Support (ORTSTARS)—a support system that represents a quantum leap forward for Aegis-class ships to proactively maintain battle operational status and effectiveness.

Spearheaded by NSWC PHD, ORTSTARS is a troubleshooting and maintenance system that provides a real-time remote connection between shore support activities and Aegis-class ships. Through the use of a classified network connection, it provides an integrated solution to a shipboard problem without the need for onboard assistance. Essentially, it has redefined the Navy's notion of long-distance technical support while improving fleet readiness and reliability.

"Through use of this system," said Joel Timm, NSWC PHD Aegis Digital Systems, Field and Readiness Engineering Branch manager, "our engineers have taken numerous snapshots of the fleet,

providing reports to the ships with repair recommendations and corrective actions to help improve fleet readiness."

Originally, ORTSTARS was pioneered by an NSWC PHD engineer who thought to provide distance support to the Aegis Weapon System (AWS) through its Operational Readiness Test System (ORTS) terminal. Supported by COMNAVSURFPAC and COMNAVSURFLANT, the idea was put to action and established as a proof of concept through Trident Warrior 2006, an annual exercise intended to test the Navy's newest communication technologies.

Following the exercise, PEO IWS endorsed and funded the initiative to be installed in multiple fleet units, recognizing the benefits to the fleet and future potential for improving readiness. In 2009, COMNAVSURFPAC/N43, took the initiative one step further as part of the Surface Warfare Enterprise and endorsed a proposal to develop quarterly Preventive Maintenance System (PMS) checks, led by NSWC PHD engineers,

that would provide an overview of the ships' systems and begin remote monitoring and assistance to ships equipped with Aegis systems.

In September 2011, the ORTSTARS quarterly PMS program collected two years worth of data, marking a major milestone for the remote support system. Looking toward the future, Timm hopes to see the remote capability become more automated.

"I hope to see progress made toward automated status reporting back to shore," he said. "It would be great to have systematic alerts when the equipment fails, or notify us of anomalies so that we can better engineer and analyze the information."

With limited remote contact capability for combat systems in existence, ORTSTARS is paving the way for remote technical support and is yet another example of NSWC PHD engineering at its finest.



FC1(SW) Joshua Ross and engineers Kevin Tran and Wilson Pham (l to r) remotely test and analyze components of a ship at sea using ORTSTARS desktop communication tools, Aug. 29, 2011. Photo by Nichole O'Grady.

# DMSMS Recipients Accept Award



*Diane Fajardo and David Holl (r) accept the DMSMS award from Stephen Welby (c), deputy assistant secretary for defense for systems engineering on Aug. 30, 2011.*

In an official ceremony on Aug. 30, 2011, NSWC PHD employees David Holl and Diane Fajardo accepted the DoD 2011 Diminishing Manufacturing Sources and Material Shortages (DMSMS) Team Achievement Award on behalf of the Tomahawk Concurrent Engineering Working Group (TCEWG). Holl is the TCEWG lead and Fajardo is the TCEWG vendor interface.

Upon receiving the award, Holl commented, "It was satisfying to have the opportunity to walk on stage in front of our counterparts in the DMSMS community and accept the team award on behalf of our team. Without the exceptional foresight of those who established our process, and the excellent work and cooperation of the past and current Tomahawk Weapon Control System community, this award would not be possible."



*Capt. Dale Christenson (r), program and project officer for NSWC, works the controls of the new UNREP cargo delivery station machinery with some help from UNREP's Michael McLachlan during Christenson's visit to the command on Sept. 14, 2011. Photo by Kathy Stewart.*

*UNREP Division Manager Bob Hilger (l) describes the components of the Navy standard span-wire winch to Capt. Dale Christenson, program and project officer for NSWC, during Christenson's visit to the command on Sept. 14, 2011. Photo by Kathy Stewart.*



# NSWC PHD Explores Future of Surface Warfare Technology

By Alyce Moncourtois, Command Communications Office

NSWC PHD hosted its first Science and Technology Forum on Aug. 29, 2011, providing updates on the latest developments in future surface warfare concepts and innovations being pursued under Section 219 of the Duncan Hunter National Defense Authorization Act and Naval Innovative Science and Engineering (NISE) Program.

"One of the principal objectives of the forum was to expose a broad cross-section of personnel at the command to the outstanding science and technology work being done by the project teams," said Robin Nussear, command innovation advocate and NISE/219 project coordinator. "Besides providing a chance to increase situational awareness for the attendees, the forum served as a means of information exchange to

enrich current projects and also to inspire others to bring forward their own potential project concepts."

Pursuing these initiatives enhances NSWC PHD's technical engineering capabilities as the Navy's In-Service Engineering Agent and aligns with NAVSEA's goals for building the future fleet, improving fleet readiness, strengthening warfighter capability and reducing total ownership cost.

"We are fostering a culture of innovation here at Port Hueneme," said Capt. (Sel.) Scott Davis, NSWC PHD chief engineer, in his opening remarks at the forum. "This event coincides with the NAVSEA focus for development of innovative science and technology products, and we are committed to pursuing innovative concepts that can help the Navy's mission while

at the same time reducing associated costs."

The projects currently in progress at the command under Section 219 include: low-cost, highly-adaptable distance support technology that is applicable to all ships; maritime laser propagation study to improve the use of high-energy lasers; effectively predicting radar system outages through e-prognostics; and a new Sailor-to-engineer technical Web site to enhance troubleshooting of combat and weapon systems.

"Through the NISE/219 program, we are transitioning needed technology to the fleet as well as developing our people and the capabilities of PHD that are essential to providing many future years of great fleet support," commented Nussear.

The NISE/219 program is currently scheduled to run through the end of fiscal year 2013.

NSWC PHD is promoting the pursuit of advanced science and technology careers with a tuition assistance program that offers eligible employees the opportunity to pursue an advanced degree in a variety of technical areas such as modeling and simulation, electronic diagnostics, directed energy, network computing and many other related fields.

If you would like to submit a project concept, please contact Robin Nussear directly at 228-8676.



NSWC PHD engineer Brian Meadows discusses his technical work to improve distance support to the naval fleet during the Science and Technology Forum on Aug. 29, 2011. Photo by Alyce Moncourtois.

# NSWC PHD Developing High-Energy Laser “Swarm” Model

By Kathy Stewart, Command Communications Office

In August 2011, personnel from NSWC PHD’s Land Attack and Air Dominance Departments completed the initial version of a “Swarm” attack model, bringing the command one step closer in its pursuit to develop a working model for real-life situations.

The Swarm model is a deliverable goal of the modeling and simulation project that is being conducted by the command under Section 219 of a federal defense act. According to Victoria Tsugawa, team lead for the high-energy laser side of the project, the completion of the initial version helped fill a modeling and simulation gap.

In the simulation, a Navy vessel used a laser-like weapon to thwart an attack from a swarm of enemy ships and destroy them. The visualization was accomplished through SIM-DIS™, a software tool that provides two- and three-dimensional interactive graphic and video displays for advanced situational awareness and visual analysis.

Computational inputs accomplished through MATLAB®, a high-level programming language and numerical computing environment, were used to program how each of the ships would react in the swarm scenario. Matt Ward, an ILS intern in Code A27, was responsible for creating the computations and the bulk of the model. Tsugawa then used Ward’s computations to develop the visualization.

The team is now working on the next version of the Swarm model, refining weapon features to make them more realistic and including land masses for points of reference. The next version of the model is scheduled for fiscal year 2012. Once the model is more mature, “we will start to use real data,” Tsugawa said. Real data will allow the team to more effectively measure the success of the model and help determine when it is ready for use in real-life situations.



*An initial Swarm model simulation shows a Navy vessel using a laser-like weapon to destroy a swarm of attacking enemy ships.*

*Chris Parsell (r) provides a walking tour of the Mission Package Support Facility for Vice Adm. Dirk Debbink (front left), chief of Navy Reserve and commander, Navy Reserve Force, during his visit to NSWC PHD Sept. 12, 2011. Photo by Esthela McKenzie.*



# NSWC PHD Helps Fleet with Missile Defense Initiative

By Kathy Stewart, Command Communications Office

In September 2011, personnel from NSWC PHD's Code A21 and Code A33 conducted Ballistic Missile Defense (BMD) briefings and pre-assessments for USS Mahan (DDG 72) and USS Ross (DDG 71), while in port at Norfolk, Va., in preparation for the ships' BMD installations.

The installations are being accomplished in support of the DoD initiative to "employ cost-effective and mature ballistic missile defense system (BMDS) technologies" in order to increase the fleet's agility and firepower. Mahan and Ross will be among 23 BMD ships from the 6<sup>th</sup> Fleet capable of supporting the White House's Phased Adaptive Approach mission for missile

defense in Europe.

NSWC PHD has provided all of the planning and coordination for BMD installations to date, according to FCCS(SW) George Baldwin, Code A21 project engineer.

"However," he said, "most of them have been completed on the West Coast. These ships are among some of the first to undergo BMD installations on the East Coast."

Baldwin was responsible for the planning and coordination of all work that A21 did to prepare for the installations aboard Mahan at Norfolk. The group briefed ship personnel on what to expect during the BMD installations and what they need to do to complete BMD certification. The group

also conducted pre-installation assessments to evaluate the ships' current weapon systems and complete any necessary "prep work" prior to the installations scheduled for fiscal year 2012.

"These assessments allow us to maximize the limited time we have for the installs, which is usually only a 12- to 13-week window," said Baldwin. He will provide oversight during the installs to ensure everything goes smoothly and on schedule.

Derrick Bryant, Code A26, is serving as project engineer for the Ross installations and was tasked with planning and coordinating the briefing and pre-installation assessments for that vessel.

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## July Employee of the Month



*Tona Martinez (c), Code 310, accepts an Employee of the Month certificate from team lead Gina Melendez and Capt. DeBow on Aug. 24, 2011. Photo by Kathy Stewart.*

Congratulations to Tona Martinez, Code 310, for being named NSWC PHD's Employee of the Month for July.

Martinez, a technical editor for Naval Systems Data Support Activity (NSDSA) is the subject matter expert when it comes to facilitating Technical Manual Identification Number Requests (TMIN-Rs) at NSDSA. She not only is the "go-to" person for TMIN-Rs, but she also assists customers with Technical Manual Manage-

ment Activity transfer requests and a myriad of customer-service issues.

Martinez takes the time to identify customer needs by asking questions and concentrating on what the customer is really saying. She often identifies and anticipates customer requests, even when they are not sure what their needs are. Martinez goes an extra step by providing customers with an understanding of NSDSA processes. As of July 2011, Martinez had completed nearly 900 customer-service requests for the year and had received a barrage of positive feedback from those she assisted.

The NSDSA technical editor was also responsible for the creation and implementation of the "NSDSA Welcome Aboard" packet that provides new employees and visitors with information about the department and the services it offers.

Martinez exemplifies what NSDSA is all about—customer satisfaction. Her professional demeanor, responsiveness and "human touch" make her an asset to NSDSA, the command and the fleet.

# PHD Welcomes NSWC Corona Visitors

By Nichole O'Grady, Command Communications Office

With a working relationship dating back more than 60 years, PHD welcomed a visit from NSWC Corona colleagues on Aug. 17, 2011, for a day of networking, information sharing and to provide insight on the command's role as an In-Service Engineering Agent (ISEA).

About 15 Corona personnel ranging from new to experienced were briefed on PHD's latest projects and received tours of the Mission Package Support Facility, Surface Warfare Engineering Facility and the Self Defense Test Ship.

"Coming together and sharing information is a long-standing tradition that we have with Corona," said Capt. (Sel.) Scott Davis, deputy commander for the Office of Engineering and Technology and chief engineer. "It's not one organization that provides for the fleet—it's all of us together as one team. Anything we can do to open up the lines of communication and establish a collaboration between Port Hueneme and Corona as sister



NSWC PHD and NSWC Corona personnel listen as Fabio Vitale kicks off Corona's day-long visit on Aug. 17, 2011. Photo by Nichole O'Grady.

Warfare Centers is very important to us."

The visit came as a follow-up to a day-trip made by PHD personnel who visited Corona in March 2011. Wanting to return the hospitality and broaden the potential for further collaboration, the command arranged a visit dedicated to showing the neighboring Warfare Center all that PHD has to offer.

"We had an opportunity a while back to spend time with Corona," said Fabio Vitale, director, Office of Logistics. "It was a very good trip that opened my eyes to many of the differ-

ent facets that NSWC Corona is involved in."

Collaboration appeared to be the key theme throughout the day—a topic Capt. Theodore Olson, deputy commander, Office of Logistics, expounded upon during the visit.

"I am an enormous fan of collaboration," he said. "When we share information and understanding of how we can work toward a common goal, it makes us both stronger. I'm very happy that you're here. I hope we continue opportunities such as this where information can be exchanged."

## U.S. Navy Celebrates 236<sup>th</sup> Anniversary

Oct. 13, 2011, marks the United States Navy's 236<sup>th</sup> anniversary, commemorating when the Continental Congress commissioned two



armed sea vessels in 1775 to find and engage British supply ships sailing the Atlantic Ocean.

USS Constitution, located in Boston, Mass., is the world's oldest commissioned warship afloat today. She continues to promote the United States Navy and America's naval heritage through educational outreach, public access and historic demonstrations, in port and underway.

Today, the Navy is one of five United States Armed Forces and one of seven uniformed services. It has become the world's undisputed naval superpower, with the ability to engage in two simultaneous, limited wars along separate fronts.

Former Chief of Naval Operations Adm. Gary Roughead remarked on the importance of the naval anniversary, noting "the Navy has seized opportunities and risen to overcome enormous challenges in peace and war."

"This proud heritage was built upon the courage and versatility and the capability of our Sailors," he added. "Those values still ensure we are the most powerful and influential Navy to ever sail the oceans."

Sources:

- <http://www.history.navy.mil/>
- <http://www.history.navy.mil/history/history1.htm>
- [http://en.wikipedia.org/wiki/History\\_of\\_the\\_United\\_States\\_Navy](http://en.wikipedia.org/wiki/History_of_the_United_States_Navy)



## EEO/Diversity Corner

By Suzanne Nicolas, Deputy Equal Employment Opportunity Officer

This section of the PHD *Sentinel* will be used to deliver important EEO and diversity information to our workforce. I feel it is important for me to get the word out in as many venues as possible concerning items and events that are significant for the employees of this command. If you have any questions, you can reach me at x8155.

## Vargas is First PHD Employee to Receive NOMAR Award

By Kathy Stewart, Command Communications Office



Jesús Vargas (sixth from left), NSWC PHD's first recipient of the National Organization for Mexican American Rights (NOMAR) Meritorious Service Award, gathers with other NOMAR award winners and dignitaries at a special awards banquet at the Tropicana Las Vegas hotel in Las Vegas, Nev., Aug. 31, 2011. Photo by Michael O'Daniel.

Congratulations to Jesús Vargas, Code S32, for receiving the 2011 National Organization for Mexican American Rights (NOMAR) Meritorious Service Award and for being the first NSWC PHD employee to earn the honor, according to External Awards Manager Zehra Raza, NSWC, Indian Head Division. The prestigious award was presented on Aug. 31, 2011, at a special banquet during the NOMAR 2011 Annual Training Conference & Business Meeting held at the Tropicana Las Vegas hotel in Las Vegas, Nev., Aug. 30 – Sept. 2, 2011.

The award was an exciting surprise for Vargas, who commented, "I was thrilled. Never in my wildest dreams did I ever imagine being selected for this award. It means a lot to me."

Vargas is an active member of the Hispanic Employment Program and works as a volunteer at the annual Naval Base Ventura County Multicultural Day, promoting the tenets of diversity and equal opportunity. He also serves as a volunteer for community programs dedicated to enriching the Hispanic community.

In addition to the awards banquet, the two-day NOMAR event offered panel discussions, training sessions, workshops and exhibit

booths that focused on education, civil rights and employment in support of this year's theme, "Hispanics United in Strengthening America."

NAVSEA was among a host of high-level federal and commercial sponsors that supported the event and provided exhibit booths as part of a special "career day" for local high school students. The students were able to tour the booths, ask questions and learn about career opportunities for the future.

Noel Camanag and Milton Ayala from NSWC PHD's L Department helped man the NAVSEA booth, and Camanag said it received a lot of attention.

"About 500 students from five high schools attended, and the NAVSEA booth attracted many of them," he stated.

NOMAR is a national, non-profit, all-volunteer organization committed to improving educational and employment opportunities for and defending the civil rights of Hispanic Americans. Each year, NOMAR recognizes outstanding military members and civilian employees for their achievements in the field of civil rights and Hispanic-American issues.

# Tomei Earns SHPE Award for Technical, Community, Mentoring Excellence

By Alyce Moncourtois, Command Communications Office



NSWC PHD's Frank Tomei, Code L33, was recently named the Society of Hispanic Professional Engineers (SHPE) 2011 STAR of Today award recipient and will be recognized during SHPE's annual conference in Anaheim, Calif., Oct 29.

Tomei is an electrical engineer and serves as the New Construction Installation Engineering Branch manager of the Modernization and Installation Division in the Land Attack Department.

"Mr. Tomei has established

himself as an invaluable technical authority in his field as well as an impressive role model for managers, peers and junior employees, and is a steadfast supporter of our command's diversity efforts," said NSWC PHD Division Technical Director Tim Troske. "He has attained genuine expertise in the area of installation of critical new and upgraded weapons systems used on board naval surface combatant ships, which keeps the ships at a high level of readiness to meet any challenge that faces our fleet."

In addition to his technical efforts, Tomei's award recognizes his dedication to workforce diversity through his continual participation in the full spectrum of recruiting efforts and outreach activities directed at diverse communities, especially the Hispanic community. He demonstrates mentoring and leadership

skills through his active role in the Ventura County Chapter of SHPE, occupying several cabinet positions, and through participation in many educational outreach activities such as career days, engineering challenges, and science fairs. He takes advantage of every opportunity to promote interest in science, technology, engineering and math (STEM)-related careers with middle and high school students.

SHPE, founded in Los Angeles, Calif., in 1974, is an organization that empowers the Hispanic community to realize its fullest potential and to impact the world through STEM awareness, access, support and development. The STAR Awards is a national SHPE program that recognizes outstanding Hispanic professionals in the areas of STEM.

EEO / Diversity



Armando Ontiveros (r), NSWC PHD security specialist, Code 08, and Wounded Warrior, represented NSWC PHD at the Naval Base Ventura County Job Fair on Thursday, Sept. 8, at the Fleet and Family Support Center. NSWC PHD is continuously looking to recruit Wounded Warriors as well as other potential candidates. Ontiveros provided informational brochures, received resumes, and answered questions. Photo by Esthela McKenzie.

## PHD Hosts Women's Equality Day Event

By Kathy Stewart, Command Communications Office

On Aug. 23, 2011, NSWC PHD hosted an event to celebrate Women's Equality Day and discuss the importance of career development in "bridging the gap" for women's equality in the workplace. The event, co-sponsored by the PHD Federal Women's Program (FWP) and Federally Employed Women (FEW) Southern California Gold Coast chapter, was held at the Audio Visual Center in Bldg. 1388 and included speakers from NSWC PHD, NAVFAC and NAWC Weapons Division at Point Mugu.

Women's Equality Day is an annual awareness event focused on the development and advancement of women in the workplace. NSWC PHD hosted the event as part of the command's EEO program to "build and value a culture of diversity."

The observance of Women's Equality Day commemorates the 1920 passage of the 19<sup>th</sup> Amendment to the U.S. Constitution granting women

the right to vote and calls attention to women's continuing efforts toward equal rights and treatment.

NSWC PHD Commander Capt. William DeBow delivered the opening remarks, noting the significance of the day and assuring that he will "continue to support the command's ongoing efforts toward full equality."

Joyce Queary, manager for Acquisition Policy and Procurement Support at NSWC PHD, shared her experience in the workplace and offered this advice to help women excel professionally.

"I encourage individuals to use networking as a tool and to become a mentor," she said. "It's one of the most important things you can do for yourself and to give back."

NSWC PHD's Senior Management Analyst Trina Haizlip-Payne recounted how she was able to propel her career through perseverance.

"I made opportunities for myself, and if I came to any

barriers, I just jumped over them and kept on going," she said. She added that "good people skills are also critical."

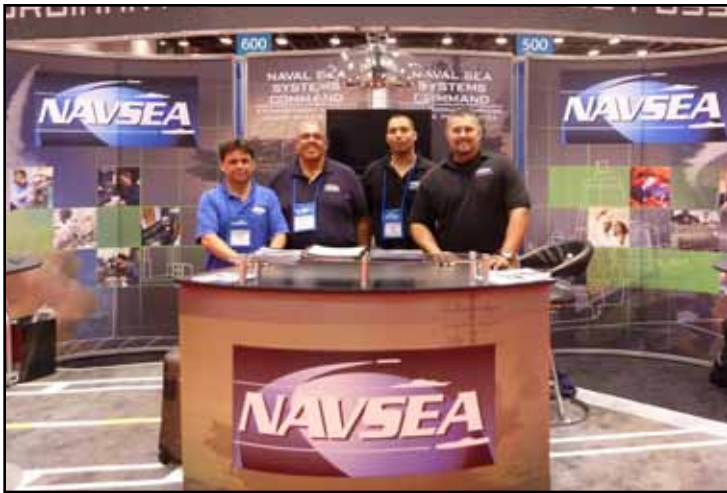
Other speakers, NAVFAC Public Works Business Line Manager Mary Lingua and Rosalie Sommer, deputy for the Program and Business Analysis Department at Point Mugu's NAWC Weapons Division, offered their insights on gaining work-life balance and career development planning, respectively.

After a question-and-answer session, NSWC PHD Division Technical Director Tim Troske wrapped up the event, reinforcing the commander's message that NSWC PHD is committed "to creating a culture of inclusion and opportunity" to support equality.

At the conclusion, each of the speakers received an appreciation award, recognizing and honoring their contributions to the cause and in the workplace.



Presenters and guest speakers gather for a group photo. Pictured (l to r): Sandra Lopez, chapter president of the Federally Employed Women organization; Rosie Magallon, PHD Federal Women's Program chair; Capt. DeBow; Mary Lingua; Joyce Queary; Rosalie Sommer; Trina Haizlip-Payne and Tim Troske. Photo by Kathy Stewart.



NSWC PHD's Frank Tomei (second from right) poses with fellow NAVSEA personnel at the 82nd Annual League of United Latin American Citizens (LULAC) National Convention in Cincinnati, Ohio, held June 27-July 2, 2011. Tomei, who is president of the local Society of Hispanic Professional Engineers (SHPE), aided NAVSEA headquarters with recruitment efforts.

NSWC PHD's Michael Gibbons (r) helps promote the African American Focus Group at the 18th Annual Multicultural Day on Sept. 1, 2011. In keeping with tradition, each booth competed for tastiest dish. The African American Focus Group received first place for their prized peach cobbler. Photo by Nichole O'Grady.



USNS Washington Chambers (T-AKE 11) passes the Surface Warfare Engineering Facility as it enters the Port Hueneme Harbor for a port visit Sept. 12-16, 2011. Photo by Charlie Houser.

## EEO / Diversity

## Sailor in the Spotlight

By Esthela McKenzie, Command Communications Office



FC2(SW/AW) Azalea McSwain arrived at NSWC PHD in January 2009. After her three-year shore duty billet ends, she plans to transfer in April 2012.

McSwain works at the Surface Warfare Engineering Facility, Code L22. Her primary task is to provide support to civilian counterparts in Tomahawk testing and firing, and to offer

fleet support and software loads to ensure an "operational ready" status with the Tomahawk Weapon System and support equipment. In addition, she also assists in "Sailor-proofing" technical publications for validation before they are released to the fleet.

McSwain is currently enrolled at Ashford University working toward a bachelor's in accounting. She is a member of SALUTE National Honor Society for Veterans. This program inducts members of the Armed Forces or those who previously served in the Armed Forces and have higher education. She intends to complete her degree on Nov. 14, 2011. Afterward, she will enter graduate school and begin working on her MBA.

When not at work, McSwain spends time with her two daughters. They are huge wrestling fans and enjoy watching it at home or live. She also loves to play piano and the tenor saxophone.

## NSWC PHD Holds Security Awareness Day

By Nichole O'Grady, Command Communications Office

In conjunction with NAVSEA's annual Security Awareness Day, NSWC PHD invited Naval Base Ventura County (NBVC) Fleet and Family Service Center representative James Ramey to discuss the importance of financial management and its relationship to obtaining and holding security clearances on Sept. 8, 2011.

Held in Building 1388's command conference room, both on- and off-site employees attended in person or via Video TeleConference, including those from White Sands, Virginia Beach and San Diego.

Opening the event, PHD's Chief Staff Officer Cmdr. Steve Williams remarked on the current state of the economy and the growing number of peo-

ple whose financial situations are putting their jobs at risk.

"It is more important than ever to be aware of your finances and how it affects various aspects of your life," said Williams. "Often times, people are unaware of how their money and debt might affect their job. I hope this event arms you with the knowledge to make financially sound decisions so as to protect your family and your job."

During the discussion, Ramey touched upon common financial issues and what steps to take to prevent mismanagement, including effective budgeting, identity protection, correcting credit scores and investing long term. In addition, he encouraged everyone to live within their means and to be open with their security managers when issues arise.

After the event, the PHD security staff was available to answer questions on a variety of security and safety topics.



James Ramey from Naval Base Ventura County Fleet and Family Service Center speaks to the audience about the relationship between security clearances and personal financial management, Sept. 8, 2011, during a Security Awareness Day event held at Naval Surface Warfare Center, Port Hueneme Division. Photo by Esthela McKenzie.

## Students Tour Engineering Development Lab Event Fosters STEM Education



Students from California State University Channel Islands take a tour of the Engineering Development Lab (EDL) at NSWC PHD Sept. 23, 2011, where they examined prototypes of various components produced by one of the lab's rapid prototype/additive manufacturing machines. The EDL is an innovative research center for rapid prototyping of engineering components used in combat system assemblies on board the Navy's surface ships. This event is one of many outreach initiatives the command participates in throughout the year to promote science, technology, engineering and mathematics (STEM) in the academic community. Photo by Charlie Houser.



NSWC PHD Chief Staff Officer  
Cmdr. Steve Williams presents  
BM2(SW) Hookahi Kaikaina with a  
Navy Achievement Medal and end of  
tour award on Sept. 2, 2011. Photo  
by Nichole O'Grady.

# Mentoring Course Encourages Workforce Collaboration

By Nichole O'Grady, Command Communications Office

Do you like dogs or cats? Are you sharpest in the morning or evening? Do you prefer instructions or hands-on learning? NSWC PHD managers and supervisors were asked these hard-hitting questions by veteran mentor and keynote speaker Tom Reed during the "Introduction to Mentoring" course on Sept. 1, 2011.

"This is what will make you a great mentor—your indi-

vidual uniqueness," said Reed, vice president of Product Development & Integration for Emergenetics International. "It has nothing to do with experience or education. It's who you are as an individual. By the end of this class, one of the things I want you to walk out of here with is to understand that you are already prepared to be a great mentor because you are unique."

In an effort to increase workforce collaboration, PHD is providing supervisors and managers the needed training to become effective mentors.

*Tom Reed, past director of leadership development at MillerCoors and current vice president of product development and integration for Emergenetics International, spoke on the importance of mentoring and its relationship to better workforce collaboration during PHD's "Introduction to Mentoring" course on Sept. 1, 2011. Photo by Nichole O'Grady.*



During the course, attendees learned the vision, goals and expectations of the mentoring program, including working knowledge of mentoring principles and practices, mentee and mentor roles and expectations, and awareness of key principles, practices and resources that sustain successful mentoring relationships.

The purpose for implementing the course at PHD is to make it a core element of the organization and its culture.

"The training will provide supervisors and managers with the tools to become skillful mentors and coaches," said Anabell Ramos, PHD training specialist. "Mentoring will be a principle means to exchange skills and knowledge and increase collaboration. I hope that management welcomes mentoring as a tool to increase collaborative learning relationships."

The next scheduled training course will take place Oct. 3, 2011, from 8 a.m. to 4 p.m. in Building 445's Command Training Center and will focus on "Facilitators for Group Mentoring."



On Aug. 24, 2011, military award recognitions were presented by Cmdr. Steven Williams (far right). Recipients (l to r): FC1 Bruce Maples received a Navy Achievement Medal and received a certificate of appreciation for NMCRS 2011 Fund Drive; FC2 Dustin Salmon was nominated as the Junior Sailor of the 2nd Quarter CY11; ET1 Johnny Ward received a Navy Commendation Medal from his previous command, USS Boxer (LHD 4); FCC Douglas Morgan received a Navy Achievement Medal. Photo by Esthela McKenzie.

# National Disability Employment Awareness Month

By Kathy Stewart, Command Communications Office

National Disability Employment Awareness Month is an annual observance each October designed to encourage the hiring, placement and advancement of men and women who have the ability and desire to work despite physical or mental challenges.

The effort to educate the American public and employers about issues related to disability and employment began in 1945, when Congress passed a law declaring the first week in October "National Employ the Physically Handicapped Week." The word "physically" was removed in 1962 to acknowledge mental disabilities, as well. In 1988, Congress expanded the week to a month and changed the name to its present-day "National Disability Employment Awareness Month."

Each year, the U.S. Department of Labor's Office of Disability Employment Policy develops a national theme for the annual observance. For 2011, the theme is: "Profit by Investing in Workers with Disabilities." The concept behind this year's theme is twofold: to honor the contributions of workers with disabilities and to generate awareness that they represent a highly skilled talent pool that can help employers compete in today's global economy.

Wounded Warriors, in particular, have a lot to offer in the federal workplace—and NAVSEA/NSWC commands are taking advantage of this by creating opportunities that will put disabled veterans to work for the fleet. NSWC PHD actively participates in recruiting Wounded Warriors throughout the country.

The command also participates in the federal Workforce Recruiting Program (WRP), which provides post-secondary students and recent graduates with disabilities the opportunity to showcase their skills in the workplace through summer or permanent jobs.

These efforts not only provide job options to those with disabilities, it also helps NAVSEA/NSWC commands continue to support the Navy and President Barack Obama's mission to increase federal employment of individuals with disabilities. In a 2010 White House press release, the president proclaimed, "No individual in our nation should face unnecessary



barriers to success, and no American with a disability should be limited in his or her desire to work. During National Disability Employment Awareness Month, we renew our focus on improving employment opportunities and career pathways that lead to good jobs and sound economic futures for people with disabilities."

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*Mark Your Calendars for the Annual  
Thanksgiving Potluck  
Nov. 17 in the Courtyard*

# Facility Service Desk Offers Problem Resolution Service

By Nichole O'Grady, Command Communications Office



*NSWC PHD's facilities team poses for a photo outside Building 444, Sept. 8, 2011. Code 107 manages the command's facility infrastructure requirements consisting of 130 structures located throughout PHD and its detachments. Photo by Nichole O'Grady.*

With 130 command structures, nearly 1 million square feet of space, and an overall worth of more than \$290 million, NSWC PHD's Facility Office, Code 107, certainly has its work cut out for them ensuring the command's infrastructure meets all requirements and maintains all functions.

Four primary services are provided by Code 107, including facility planning, operations, service desk assistance and space management. Whether it be acquiring new facilities, overseeing grounds maintenance, resolving facility issues or helping to situate personnel workspaces, the facilities team is ready at a moment's notice to ensure PHD is functioning properly.

One of the division's key services is the Facility Service Desk, which acts as the com-

mand's principal point of contact for obtaining resolutions to problems, such as plumbing issues.

"The service desk makes the decision whether a trouble call can be resolved with existing PHD support or must be referred to NBVC for further resolution," said Champaklal Maun, facility manager. "In addition, the service desk provides support for set-up and tear-down of command events."

If the facility office is needed, employees should communicate the requirements through their department's facility point of contact, who will then relay the information to the service desk. The service desk can be contacted by calling (805) 228-6167 or through e-mail at [FacServDesk.NSWCPHD.FCT@navy.mil](mailto:FacServDesk.NSWCPHD.FCT@navy.mil).

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## Engineer in the Spotlight



Brian Catanach is a mechanical engineer in the Air Dominance Department, Code A51, and began working at NSWC PHD in June 1988.

Catanach is the Code A50 lead for the SM-6 Program and coordinates tasking and requirements through the

Standard Missile Program Office, PEO IWS 3A. The SM-6 Program just completed Operational Evaluation Testing in Hawaii, where Catanach being a trusted agent for COMOPTEVFOR, provided missile escort duties, and was part of the COTF telemetry team supporting data collection and analysis. His role with SM-6 will expand further as the Naval Integrated Fire Control-Counter Air (NIFC-CA) program starts to ramp up.

Brian earned his Bachelor of Science degree at New Mexico State University and a Master of Science degree from the Naval Postgraduate

School in systems engineering.

When not working, he enjoys the outdoors with his family and riding and working on his motorcycle.

## Junior Professional in the Spotlight



Matthew Poloniak began working at NSWC PHD on Aug. 2, 2010, and is a mechanical engineer for UNREP,

Code S61.

In this role, Poloniak helps ship managers provide technical assistance as the in-service engineering agent for the Underway Replenishment (UNREP) System. He also provides assistance with inspection, testing and implementation of UNREP equipment on new-build ships.

Poloniak holds a bachelor's degree in marine engineering and shipyard management from the United States Merchant Marine Academy. Additionally, he holds a Third

Assistant Engineers License for unlimited horsepower vessels with steam, gas turbine or diesel propulsion systems.

When off duty, Poloniak says he enjoys a number of outdoor activities including golf, surfing and skiing.

## Technician in the Spotlight



Besides being a diehard Steelers fan, Terry Pagel of Code S61 is dedicated to his job as a mechanical engineering technician for the Underway Replenishment (UNREP) team at NSWC PHD.

Pagel began working at

the command in December 1992 while on active duty in the U.S. Navy and served two tours as part of the UNREP STREAM Team. In November 2002, he retired from the service and transitioned to civilian status as an UNREP employee at the command.

In his current role, Pagel works closely with the Navy's newest T-AKE-class dry cargo ships. He provides technical oversight of UNREP systems installations during ship construction and conducts UNREP ship qualification trials for newly delivered T-AKE vessels to ensure the systems are operational.

Additionally, Pagel pro-

vides technical review and recommendations concerning manufacturer waiver and deviation requests for the entire UNREP system. This includes rigging arrangements, machinery operation and repair, UNREP hardware reviews, technical manual verification and spare parts validation.

The 20-year Navy veteran, who achieved the rank of senior chief petty officer before retiring, said he owes his training and experience to the Navy and to the "school of hard knocks."

In addition to Steelers football, Pagel also enjoys basketball, baseball and an occasional round of golf.



*On Sept. 14, the command sponsored a wellness event focused on stress management with guest speakers David and Karen Gamow, founders of Clarity Seminars. Some of the topics discussed included: health impacts of prolonged stress, benefits of relaxation and meditation, and how to maintain control. Attendees also participated in breathing and relaxation techniques. Photo by Esthela McKenzie.*

## Logistics Intern in the Spotlight



Phuong Le graduated from Cal State University Channel Islands in May 2009 with a bachelor's degree in business marketing and began her internship with the Technical Data Branch, Code L35, at NSWC PHD in August 2010 as a logistics management spe-

cialist.

The Cal State graduate is a certified Product Data Reporting & Evaluation Program Representative with a DAU Level I certification. She is working toward Level II certification. Le also is in the process of obtaining a certificate for data management and says that upon graduation in August 2013, she hopes to become a data manager.

As an intern, Le rotates among internal divisions to gain on-the-job training and hands-on experience. With Code L35, she assisted in the validation and verification process for the Naval Fires Control System and ordered and tracked MK 86 technical

manuals.

She performed "carcass tracking" from cradle to grave for Code L34, where she also received a Maintenance Assist Modules Validation. She then rotated to Code L41 and worked with the ILS team on the Littoral Combat Ship Combat System Tech Manual Budget Plan until August 2011, when she rotated to the group's provisioning team.

In addition, Le is one of three interns responsible for keeping the intern portal updated.

Away from work, Le indulges in activities such as tennis and traveling. She also enjoys cooking and spending time with her family.

## NSWC PHD Personnel Line Up for Free Basic Health Screenings

By Kathy Stewart, Command Communications Office

With hectic schedules, it can be hard to stay on top of your health. That's why NSWC PHD collaborated with the Ventura County Health Care Agency to offer free basic health screenings to the division's workforce during a wellness event on Aug. 16, 2011.

"It's our mission to help optimize the health of the employees at NSWC PHD," said Sue Vargas, who coordinates the command's Wellness Program.

From 8 a.m. to noon, more than 100 employees attended the event to have their blood pressures taken, find out their blood sugar levels and discover their body fat index scores. Six medical employees from the Ventura County Health Care Agency conducted the basic screenings and provided results on the spot. If the results indicated any health risks, personnel were advised to follow up with their doctors.

Pablo Dasalla of the L department was among those who took advantage of the screenings and was glad for the opportunity. "I like to do what I can to improve my health," he said, "and I was able to get information that can help me take steps toward a positive lifestyle."

According to Vargas, the event signaled the start of a new venue for the Wellness Program. "It's the first time we've done just basic health screenings," she noted. A post-event survey rated it "quick and easy," "convenient," and "very



Pablo Dasalla measures his body fat with the help of Ventura County Health Care Agency worker Emperatriz Pinedo during a wellness event on Aug. 16, 2011. Photo by Kathy Stewart.

valuable." Because the response was so positive, Vargas said she plans to make it an annual occurrence.

# Report Unsafe, Unhealthy Working Conditions

*From the Security and Safety Office*

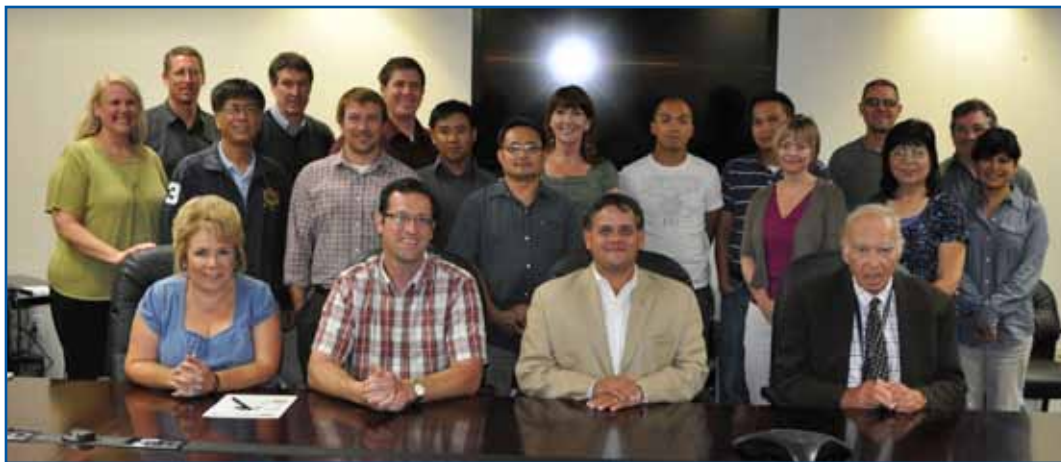
Identifying and reporting potentially unsafe or unhealthy working conditions is the responsibility of all Navy employees, both military and civilian. Such conditions may often be eliminated as soon as they are identified. An effective channel of oral and written communication is imperative in the development of a sound Navy Occupational Safety and Health Program.

An employee has the right to decline a task because of a reasonable belief that there is an imminent risk of serious injury. Detection of unsafe or unhealthy working conditions at the earliest possible time and prompt correction of the hazard at the lowest working level are essential elements of the program.

All Navy employees are encouraged to verbally report unsafe or unhealthy working con-

ditions to their immediate supervisor, who will promptly investigate the situation and take appropriate corrective action. Supervisors may contact the NSWC PHD Security and Safety Office, Code 08, for assistance as necessary. Any Navy employee may submit a written report directly to the NSWC PHD Security and Safety Office.

OPNAV forms, procedures, and appeals are located in areas convenient to all workplaces. The NSWC PHD Security and Safety Office will investigate all reports brought to their attention and will provide an interim or complete response in writing to the originator of the report within 10 working days of receipt. The NSWC PHD Security and Safety Office is located in Building 444, Code 08, ext. 8-7196/8-6163.



*Tim Troske and Jim Vallas met with Code S21 for a Fireside Chat on Aug. 23, 2011, in Bldg. 1389 to discuss work projects, issues and challenges. Photo by Kathy Stewart.*



*Capt. DeBow, Tim Troske and Jim Vallas met with Code A65 on Sept. 14, 2011, for a Fireside Chat. Photo by Esthela McKenzie.*



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*USS Normandy (CG 60) launches a Block IV Tomahawk Land Attack Missile as part of a Tomahawk operational test launch conducted in the Key West Warning Area off the coast of southeast Fla., on July 20, 2011. Photo courtesy of Fleet Combat Camera Atlantic, Norfolk, Va.*