



SOUTH POTOMAC PILOT

NEWS AND INFORMATION FOR THE NAVAL SUPPORT ACTIVITY SOUTH POTOMAC DEFENSE COMMUNITY



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Master
Chief Visits
Dahlgren

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CBIRF Responds to Simulated Nuclear Detonation During Exercise Scarlet Response 2016

By Lance Cpl. Maverick Mejia
Chemical Biological Incident
Response Force (CBIRF)

On the morning of Aug. 22, 2016, at approximately 9 a.m., a nuclear bomb detonated near Houston. The explosion rendered massive damage to the infrastructure of the city including a complete shutdown of a highway leading to Houston forcing part of the city into isolation.

This was a simulated detonation during a training exercise, during which Marines and sailors with Chemical Biological Incident Response Force, CBIRF, U.S. Marine Corps Forces Command, deployed as part of an Initial Response Force, IRF in support of this simulated nuclear detonation as part of Exercise Scarlet Response 2016 at Guardian Centers, Perry, Ga., Aug. 22-26, 2016.

Scarlet Response 2016 provided the unit with three days of section-specific training. Each element of the IRF responded to different scenarios under instructor supervision to better understand and prepare for a real world event, all leading to a final 48-hour, non-stop simulated response to a nuclear detonation.

See **CBIRF**, Page 8



PHOTO BY LANCE CPL. MAVERICK MEJIA /CHEMICAL BIOLOGICAL INCIDENT RESPONSE FORCE

Sgt. Kyle Burns, a team leader with technical rescue platoon, Chemical Biological Incident Response Force, CBIRF, helps two simulated victims that were affected by a notional nuclear explosion to a near by all-terrain vehicle to be transported out of a contaminated area during a 48-hour operations as part of Exercise Scarlet Response 2016 at Guardian Centers, Perry, Ga., Aug. 25, 2016

Virtual Strike Group Verifies New U.S. Navy Combat Capability in Complex Test

By John Joyce
NSWC Dahlgren Division
Corporate Communications

DAHLGREN, Va. – The Navy evaluated a strike group's gun weapon systems, combat systems, and unmanned vehicles' interoperability with surface and air assets while firing on targets at the 2016 USS Dahlgren demonstration, Aug. 30.

It was the first time an entire Navy strike group was brought together in a land-based environment spanning the entire kill chain – plan, detect, control, engage and assess.

"This demonstration integrated capabilities across multiple laboratories, utilizing unmanned and manned sensor platforms, engaging a hostile swarm

See **Strike**, Page 8



U.S. NAVY PHOTO BY PATRICK DUNN/RELEASED

Navy engineers Jonathan Elliott and Richard Lay conduct pre-launch check-outs of a Scan Eagle unmanned aerial vehicle (UAV) at the Naval Surface Warfare Center Dahlgren Division Potomac River Test Range, Aug. 30. The Scan Eagle was crucial to the Navy's evaluation of a strike group's gun weapon systems, combat systems, and unmanned vehicles integrated with surface and air assets at the 2016 USS Dahlgren demonstration. The cybernetic USS Dahlgren proved engagement coordination across the simulated battlegroup and live fire destruction of multiple targets from two combatants utilizing two different gun based systems.

Low Impact Development (LID) SW Management Requirements on Navy Facilities

LID stormwater management requirements for construction projects are outlined in the Navy LID Policy (November 2007) and the Federal Energy Independence and Security Act (EISA) Section 438 (December 2007).

Navy LID Policy requirements

- Sets a goal of No Net Increase in SW volume and sediment/nutrient loading
- This applies to major renovation projects (Greater than \$5 Million) and construction projects (Greater than \$750 Thousand)
- Directs that LID be considered for all projects that require stormwater management.

EISA Section 438 requirements

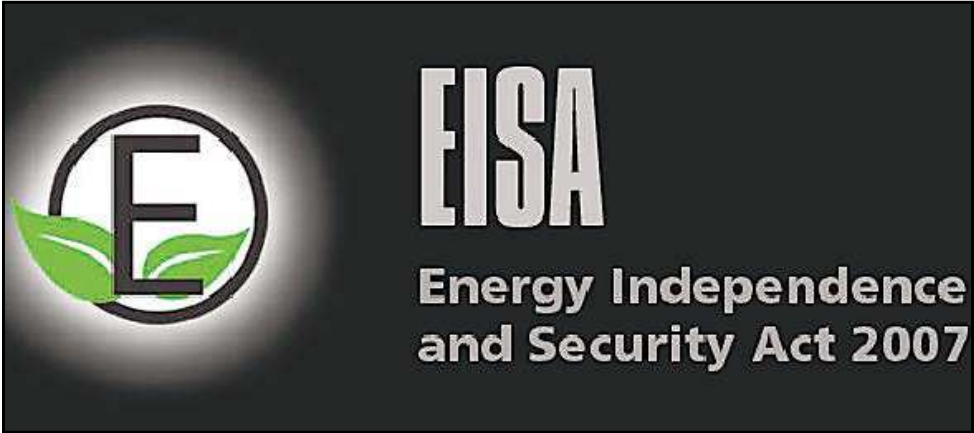
- Applies to all Federal facility development and redevelopment projects with a footprint that exceeds 5,000 square feet.
- The predevelopment hydrology of the property must be maintained post-construction with regard to temperature, rate, volume, and duration of flow
- To accomplish this, Navy and A/E designers should use LID site planning, design, construction, and maintenance strategies to the Maximum Extent Technically Feasible.

LID Structural and Non-Structural BMPs

Listed below are some suggested practices that may be incorporated into existing or future developments.

Structural BMPs

bioretention swales	dry wells	filter and buffer strips	infiltration trenches
curb cuts	wet ponds	infiltration basins	runoff pretreatment
porous pavement	raingardens	stormwater wetlands	grassed swales
grassed filter strips	green roofs	catch basins	in-line storage
sand and organic filters	dry ponds		



Nonstructural BMPs

buffer zones	open space design	eliminating curbs and gutters
urban forestry	infrastructure planning	narrower residential streets
green parking	alternative turnarounds	environmentally-friendly landscaping
alternative pavers	conservation easements	BMP inspection and maintenance

Additional Information on LID can be obtained from William Fabey NSFIEH EV at 301-744-2275 william.fabey@navy.mil and found at these Websites:

- U.S. Environmental Protection Agency: Post-Construction Storm Water Management in New Development & Redevelopment
- Department of Defense: Design: Low Impact Development Manual UFC 3-210-10 25.
- Center for Watershed Protection: Better Site Design

Training is available at The Environmental Compliance Assessment, Training and Tracking System (ECATTS) for those who need it or are interested in learning more.

27 Dresses - But So Much More at the USO

By Barbara Wagner
South Potomac Pilot

The USO at Naval Support Facility (NSF) Indian Head is abuzz with activity as Site Director Barbara Locke is preparing for her role as fairy godmother for the 2nd Annual Ball Boutique. The boutique will take place at the Mix House and Locke has been working feverishly to create a stellar affair.

"It's a labor of love but it is so worth it," Locke said. "So much work goes into the event and it is so rewarding."

The Ball Boutique will take place on Oct. 1 from 11 a.m. to 1 p.m. and will provide an opportunity for spouses to "shop" for a dress, shoes and accessories along with samples and tips from local vendors and stylists to wear to the 2016 Marine Ball and Navy Ball. Both balls are scheduled for Oct. 28 and Locke has been scrambling to make the Ball Boutique an occasion to remember.

Locke is seeking donations of dresses from the community, as well as accessories, shoes and purses to make the 2016 Marine Corps Ball a memorable event for

the spouses.

"It's difficult when they want to go [to the ball] but it becomes a choice of buying tickets for the event or buying a gown," Locke explained. "There is so much more involved though than just the gown, you have to have the right shoes and accessories and this event is about making that possible for all of our active duty spouses."

Ellalyne Brayman from Labella Bridal Boutique and Consignment recently dropped by the USO to deliver a dozen dresses from her shop in Occoquan and Locke is hoping other shops will join the cause as well.

Last year dresses arrived from all over the country courtesy of Locke's family and friends and others who had heard about the boutique and wanted to participate, and this year Locke is planning for an even larger event. Locke shared that she is able to provide a tax receipt for donated items and is so grateful for the donations that are already starting to come in.

Along with the joy of shopping for a lovely new gown, attendees at the Ball Boutique are treated to a deli-

cious luncheon, door prizes and fun. The event last year was planned for 50 attendees and all told, Locke figures that they provided gift bags for 65 attendees. Although she had planned on a head count of 80 for the luncheon, they quickly ran out of food. Locke is anticipating 100 for this year's event and is hoping that they can find a sponsor for the luncheon to allow her to make the most of her funding.

As if a day of shopping for such an elegant event wasn't enough, Locke plans to have gift bags again this year, along with some very special door prizes, and she's hoping to top the previous year's grand prize.

"Last year we were very fortunate that the Fort Myers Army Exchange provided us with a Michael Kors handbag," Locke explained. "I am hoping to get something just as spectacular this year so we can definitely use donations for the door prizes as well."

Local home-based businesses provided items for the door prizes and gift baskets along with the makeup, skin and hair care tips and samples, and Locke has al-

ready been able to line up several of them again this year.

As with any event, Locke is also seeking volunteers to help make it a success.

"Our success is dependent on our volunteers. For the event last year, we had several volunteers there to assist the ladies with trying on the dresses. Some were steaming and bagging the gowns and setting up the lunch, as well as runners who made sure that the dresses were in steady rotation," Locke said.

If you would like to volunteer for the event or provide a donation, contact Locke at the USO building on NSF Indian Head located at 14 Strauss Ave or call 301-744-6713.

"We are truly grateful for any donation," Locke shared. "There is no such thing as a small donation, whether you want to write a check or if your office wants to provide lunch, or you have items to donate. We are happy to accept."

Donations of dresses, shoes and accessories may be dropped off at the USO on NSF Indian Head or on NSF Dahlgren at Building 101, 6509 Sampson Rd., room 109.



PHOTO COURTESY OF INDIAN HEAD USO
USO friend and volunteer Phyllis Stewart delivers gowns donated by Ellalyne Brayman, owner of Labella Bridal Boutique in Occoquan Va.

CFS Training Prepares Sailors to Navigate Financial Seas Safely

By Barbara Wagner
South Potomac Pilot

Everyone has advice regarding money, whether it's car buying advice or where to invest and how to best prepare for the future. At the Naval Support Activity South Potomac (NSASP) Fleet and Family Support Center (FFSC) however, Carol Allison, the transition assistance program (TAP) and personal financial management (PFM) program manager, along with the latest class of Command Financial Specialist (CFS) trainees, are making sure that they have the right advice for service members right now.

"When you first start in the military you never learn about this stuff," Fire Controlman 1st Class Weylin Kee said. "Taking this class now will allow us to help our Sailors so that when they are our age or older they can think, 'Thank God I listened to those guys.'"

Allison provides training that allows the new CFS to establish, organize and administer the PFM program. That training allows those CFS to better assist Sailors and others in the command with their personal financial issues and ensure that anyone who needs assistance has a peer that can provide information and instruction.

For Fire Controlman 2nd Class Jenn Kelly, it's important to be able to assist her students. She has seen firsthand, both ashore and underway, the critical role that a good grasp on financial management can have on the success of her students and fellow Sailors.

"I like helping people and I feel I am easy to talk to and can find ways



U.S. NAVY PHOTO BY BARBARA WAGNER/SOUTH POTOMAC PILOT

ATRC Sailors took part in the Command Financial Specialist (CFS) Training Course at NSASP Fleet and Family Services Center (FFCS) recently. This basic training is for command members who counsel subordinates with financial problems. Topics include pay and allowances, consumer fraud, savings, credit, car buying, legal issues, counseling and communication skills, and rehabilitative finances. Contact Carol Allison at FFSC on School House Lane at NSF Dahlgren or by phone at 540-653-1839.

to communicate so that my students understand," Kelly said.

Kelly remembers being an 18-year-old first entering the Navy and being away from home for the first time. She recalled not fully understanding the financial aspects of that transition and sees it in her current students as well.

"I didn't have a car then and a lot of the students now don't have a car and they are buying lemons," Kelly said. "I have a class of about 12 students and half of them have issues with their cars or concerns about paying their student loans. I try to help them but I don't always have the right words."

Kelly was astute enough to know that Allison and other helpful experts at the Fleet and Family Support offices located on School House Lane at Naval Support Facility (NSF) Dahlgren are just a phone call away with prudent advice and assistance.

"I've actually called Carol a couple of times and asked about the Servicemember Relief Act, because I've had students who they or their spouse have had issues with student loan payments," Kelly explained. "With Carol's help, I found out it's not applicable for the spouse but it is for the service member."

The class of eight were in agreement when asked about the number one piece of advice they would offer to their students or anyone who is interested in ensuring they are handling their finances correctly. "Save!" was the unanimous answer from all of the attendees at the CFS class.

"I know it's kind of a drag when your paycheck is only \$400 and you

are putting \$50 or \$100 in savings but it's better to put that ten or fifteen percent of your paycheck in savings now when you are here at Dahlgren and you don't have a lot of expenses then when you get to the fleet and need a car or have other expenses," Kelly said.

One of the most important lessons that this current class took away from this session concerns how they save. Several were already making contributions to their TSP but are now thinking about converting them to a Roth IRA. The type of financial acumen they are gaining allows them to not only improve their own financial situation but prepares them to assist their fellow service members.

"We need these people," Allison said. "They are working side by side with these young students and they

are the ones who will hear the talk about buying a car or other issues and they will be on the front lines and will be able to step in and provide the resources to help."

Allison provides CFS training several times throughout the year and appreciates the work that the trainees put into become better prepared to assist their fellow Sailors.

"Seeing them implementing the changes from the training they've learned is a wonderful win-win, Allison said. "Especially when I can see them grasping the concepts and using it for themselves and then knowing that they will be sharing that information and assisting others."

Allison gained the expertise she now shares firsthand. She shared that she was a former military spouse and a divorced mother of five so she has dealt with many of the same financial issues that she sees come across her desk.

"I tell my clients I'm not going to get upset or judge the situation or anything you tell me because I have probably made the same mistakes before, so I have walked that line," Allison said. "We have to learn from the mistakes we've made and share that knowledge with others so they don't make those same mistakes. That way they can start off on the right path."

Carol Allison is available at the Fleet and Family Support Center located at 6027 School House Lane behind the NSWC Federal Credit Union on NSF Dahlgren. FFSC is opened Monday to Friday from 7:30 a.m. to 4 p.m. and on Wednesdays from 10:30 a.m. to 4 p.m. Allison can also be reached at 540-653-1839.

Dahlgren School Holds Back to School Night

By Barbara Wagner
South Potomac Pilot

The Dahlgren School held back to school night on Sept. 1 to welcome the students, family and faculty to the 2016-2017 school year. Helen Balilo, Department of Defense Education Activity (DoDEA) Mid Atlantic community supervisor was on hand to greet parents and students alike. Balilo shared the DoDEA vision for the incoming school year.

"We're implementing the college and career ready (CCR) standards for mathematics and we're continuing and implementing those standards for our Pre-K through Grade 5. We are also adding 6-8 grade mathematic stan-

dards as well as the literacy standards and CCR for those grades. As a district we are looking forward to having that be the foundation for more rigor for our instruction and to having more student-centered and student-focused instruction," Balilo said.

Tracy Fairfax was also there to welcome the community to the school year. Fairfax is currently acting as the interim superintendent at the Dahlgren School as the search continues for the permanent superintendent. Balilo shared that Fairfax is well versed in these new standards and the goals that Mid Atlantic DoDEA is working towards and they are pleased to have her aboard at the Dahlgren School.



U.S. NAVY PHOTO BY BARBARA WAGNER

Students from the Dahlgren Junior Student 2 Student program assist in setup for the Dahlgren back to school night that was held on Sept. 1.

BASE HAPPENINGS

Dahlgren

Combined Federal Campaign Kickoff Events

The 2016 Dahlgren Combined Federal Campaign will kick off with an event on the Parade Field on Wed., Sept. 14 from 11 a.m. — 1 p.m. Lunch will be available for sale by the NSASP Navy Ball Committee. Come out and meet 100 charities and learn about the work they do in our community, while also enjoying music and karaoke, a dunk tank, a silent auction, a cookie bake-off and more! If you'd like to volunteer for the 2016 Dahlgren CFC Campaign, contact the NSASP Public Affairs Office, (540) 284-0129.

DMV2Go Visits on Sept 20

Bring all necessary documents and take care of your Virginia Department of Motor Vehicles business on Sept. 20 from 9 a.m. — 4 p.m. at the Parade Field Pavilion. Save yourself lots of time and take care of your DMV visit quickly with DMV2Go!

Second Tour Thrift Store

The Second Tour Thrift Store is open and offers a variety of items for military personnel and their families! The store is open Thursdays from 10 a.m. to 2 p.m.

Indian Head

Branch Health Clinic relocating in September

The Branch Health Clinic relocation for proposed renovations has been delayed. Updated dates will be announced soon. Thanks for your patience!

USO at Indian Head September Active Duty Luncheon

Active Duty members are invited to dine on Chipotle Mexican Grill courtesy of Chaney Enterprises on Sept. 20 from 11 a.m. to 1 p.m.

Donuts for Patriots

The USO will be providing Dunkin Donuts and coffee for all Active Duty Servicemembers on Sept. 9 from 7-9 a.m. in honor of Patriots Day.

"Me" Time

A "me" time craft event will be held on Sept. 10 at the USO building for Active Duty members and their spouses. The craft this month is a picture frame dry erase message board.

CBIRF Sendoff

Sept. 10 at 5 a.m. volunteers from the USO will be handing out breakfasts on the go to see members of the CBIRF team off. Contact Barb Locke at the Indian Head USO to assist with this or any USO event.

Ball Boutique

The 2nd annual Ball Boutique will be on Oct. 1 from 11 a.m. to 1 p.m. at the Mix House on NSF Indian Head. Dresses, accessories and shoes along with door prizes and lunch for all active duty spouses interested. For more information contact Barbara Locke at the USO by calling 301-744-6713

see Base Happenings, page 7

Dahlgren

KGGC Hosts Annual Fall Plant Sale

The King George Garden Club will host its annual Fall Plant Sale on Saturday, Sept. 17, during the weekly Farmer's Market at the Potomac Elementary School's parking lot. The sale will be conducted from 8 a.m. to 12 p.m.

King George County Fall Festival

The 2016 King George Fall Festival will take place on Oct. 8-9 and the theme this year is "Where Your Adventure Begins." There will be a car show, pageants, food and craft vendors along with the parade and the Fall Festival 5k. Visit <http://www.kgfallfestival.com/> for more information on the event or how to volunteer for the event.

8th Annual Battlefield Corvette Cruz-In

Battlefield Corvette Club and Corvettes for a Cause present the 8th annual Cruz-In from 9 a.m. — 3 p.m. on Oct. 8. Net proceeds from the silent auction and ticket sales will be presented to Safe Harbor Child Advocacy Center and Frazier Mason Some Gave All. Pre-registration \$15.00 per car. Day of event \$20.00 per car. Registration begins at 9:00 AM. For forms and information visit www.battlefieldcorvetteclub.org

Combat Veterans Motorcycle Association Bike Night

Southern area (King George/Dahlgren/Colonial Beach) Combat Veterans Motorcycle Association (CVMA) bike night meet at Roma's Pizza in Dahlgren on Wednesdays at 5:30 p.m. Combat veterans, support members and auxiliary families meet and communion in a social environment. If interested in CVMA and the support they provide to Vets please visit <https://www.combatvet.org/index.asp>. For more information visit <http://cvmavirginia27-2.org/potential-members.html>

UMW Scholarship Program

UMW is excited to announce a Military Scholarship that will provide qualified active duty servicemembers, their spouses, or honorably discharged veterans the opportunity to receive a 25% military tuition scholarship for graduate degree programs: Master of Business Administration, Master of Education and Master of Science in Geospatial Analysis. Please contact the Office of Graduate Admissions to receive full scholarship information at 540/286-8000 or email graduate@umw.edu.

King George Toastmasters Club

Improve your public speaking with King George Toastmasters. Join the Toastmasters at their bi-weekly meetings the second and fourth Thursdays of the month at 6:30 p.m. at UMW-Dahlgren Campus, Room 248 For more info, email toastmastersofkingeorge@gmail.com, or visit www.kinggeorge.toastmastersclubs.org or www.meetup.com/King-George-Toastmasters.

KG Alert Sign up

Sign up for KG alert offered by the King George County Emergency Services to notify you of important information due to an emergency, disaster, road closure or inclement weather. To sign up for free, go to <https://www.kgalert.com/Portal.htm>

Indian Head

La Plata Friday Night Concert

The weekly concerts take place on the lawn at La Plata Town Hall starting at 7 p.m.. Concert goers are encouraged to bring blankets and lawn chairs for sitting. For more info visit townoflaplata.org

SEPTEMBER

9 Sept. Paul Thomas and The M W B Band — 50s & 60s Oldies

16 Sept. BackFin — Pop, Rock, Oldies, Country, Blues, & Funk

23 Sept. Port Tobacco Pickers — Bluegrass

30 Sept. Robbie Boothe — Country

Bethel Baptist Church Free Clothing Swap

Save Sept. 10 and start sorting out your closets! A free clothing swap will take place from 11 a.m. to 5 p.m. Bring your gently used clothing (laundered condition with no stains, rips, tears, or holes) and be prepared to find something special for your own wardrobe! Contact Bethel Baptist Church (6705 Boots Lane off Ripley Rd.) at 301-743-2363 or Dana Weaver: 301-743-7225 or visit www.bbcmd.org for more information.

4th Annual Out of Darkness Walk

Join the community on Sept. 10 from 9 a.m.-12 p.m. at the Indian Head Pavilion on the Village Green for the Charles County/Southern Md. chapter of the American Foundation for Suicide Prevention (AFSP) Out of Darkness Walk. There will be vendors, drinks, entertainment and food. FREE to the public. Registration is at 9 a.m. and walk begins at 10 a.m. Sign up by registering to walk and volunteers. <http://afsp.donordrive.com/index.cfm?fuseaction=donorDrive.event&eventID=3938>

16th Annual Nanjemoy Heritage Day Event Scheduled for Oct. 8

The 16th annual Nanjemoy Heritage Day will be held at the Nanjemoy Community Center from noon — 3 p.m. The Department of Community Services Aging Division is requesting old family photos and Nanjemoy artifacts to showcase. If you have a piece of Nanjemoy heritage to share, or you would like to be part of the parade or for more info contact the Nanjemoy Community Center coordinator at 301-246-9612. Following the parade, participants will enjoy live music, crafts for the kids, face painting, area artists, local heritage displays, classic cars, games, and more. Refreshments and souvenir t-shirts will be available.

Fall at the Black Box Theater

The fall schedule has been announced for The Black Box Theater on Rte. 210/Indian Head Hwy. in Indian Head, Md. The theater is a performing arts group who are dedicated to bringing professional entertainment and culture to our community and region. The theater also offers meeting space and auditorium space to rent for all your business and family programs. The theater needs your support! Please come and enjoy a variety of presentations this fall:

September 9: Class of 1956 Reunion Show and Pizza Party

September 23, 24: Mission InPAWSable: Fundraising Show for Animals

see Community, page 7



SOUTH POTOMAC PILOT

NSA South Potomac • Office: 540-653-8153 • 540-284-0129

www.dcmilitary.com/dahlgren

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non-merit factor of the purchaser, user, or patron. If a violation or rejection of this equal opportunity policy by an advertiser is confirmed, the publisher shall refuse to print advertising from that source until the violation is corrected.

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Capt. Mary Feinberg
Commanding Officer,
NSA South Potomac

Jeron Hayes
Public Affairs Officer,
NSA South Potomac

Andrew Revelos
Editor

Barbara Wagner
Staff writer



Aquatics Center
540-653-8088

Pool Passes

Active-Duty, Reservists, Retired Military and their family members receive free pool access during the entire swimming season. Daily and seasonal pool passes for DoD Civilians, government contractors and their families are available for purchase on site.

Private Pool Parties

Keep summer going with private pool parties and book your get-together at the pool! Contact the Aquatics Center to make a reservation.

Auto Skills Center
540-653-4900

The Auto Skills Center provides you with the opportunity to perform general maintenance and repair on your own vehicle! Rental cost for one bay, which includes tool, equipment and fluid disposal: \$6.00 per hour for Active Duty Military, Dependents and Retired Military; \$7.00 per hour for Civilians. Auto Skills is located directly behind Cannonball Lanes Bowling Center.

Tire Service Maintenance Class

Sept. 13 at 11 a.m. to 1 p.m.
Keep your tires properly maintained through the winter months. Learn the warning signs to detect a problem before it occurs. Open to all with

base access. Cost: FREE

Cannonball Lanes Bowling Center
540-653-7327

Make the right call! Never miss a game! Cannonball Lanes brings you the NFL Sunday Ticket Package! The Multi-purpose room will be showing regular season NFL and College Football games. Enjoy light snacks and great games with extended hours. Search #DahlgrenFootball and post your favorite football meme or hilarious John Madden quote.

Games: Military \$3.00, Civilian \$4.00. Hourly Bowling: Military \$20.00, Civilian \$25.00 Shoe Rental: Military \$1.50, Civilian \$2.50.

Sunday Special

Every Sunday from 11 a.m. to 5 p.m.
Join us every Sunday for \$2.00 games and \$1.00 shoe rentals!

Ten Dollar Tuesdays

Every Tuesday from 11 a.m. to 9 p.m.
Every Tuesday, get a lane for one hour of bowling for only TEN dollars!

Buy a Game, Get a Game Wednesdays

Every Wednesday from 11 a.m. to 9 p.m.
Every Wednesday, buy one game; get a second game for FREE!

All-U-Can Bowl Fridays

Every Friday from 7 p.m. to 11 p.m.
Enjoy two hours of all you can bowl! Cost: Military \$6.95/person; Civilian \$7.95/person. Both rates include shoe rental.

Cosmic Bowling

Every Saturday from 7 p.m. to 11 p.m.
Enjoy music and lights while bowling!

9-Pin Tournament

Sept. 17 from 6 to 8 p.m.



Dahlgren Movie Theater

540-653-7336

Price of Shows

Civilian: \$5.00. Active Duty, Retired & Reserve Mil E7 & above & their family members with ID: \$4.00. E1-E6 & below & their family members with ID: \$3.00. Children (6-11): \$2.00 Children (5 and under): FREE.

*Movies shown in 3D will cost an additional \$1 to ticket price.

Friday, Sept. 9 7 p.m. Suicide Squad PG-13
Saturday, Sept. 10 4 p.m. Ice Age: Collision Course *3D PG
Saturday, Sept. 10 7 p.m. Storks (SNEAK PEEK) PG
Sunday, Sept. 11 2 p.m. Suicide Squad *3D PG-13
Sunday, Sept. 11 4:30 p.m. Anthropoid R
Friday, Sept. 16 7 p.m. Sausage Party R
Saturday, Sept. 17 4 p.m. Kubo and The Two Strings PG
Saturday, Sept. 17 7 p.m. Pete's Dragon PG
Sunday, Sept. 18 2 p.m. Ben-Hur PG-13
Sunday, Sept. 18 4:30 p.m. Pete's Dragon PG

For movie listings online, visit www.navywmrdahlgren.com and select the Dahlgren Theater.

9 pins count as strikes. Highest scratch wins. A prize will be awarded to the first place finisher. Open to all with base access. Cost: \$30.00/team

Child & Youth
CDC 540-653-4994
YAC 540-653-8009

Military Child Care Open Enrollment

There's a new way to request care for School Age Care (SAC) and Summer Camps! Families

can now use MCC to request care for SAC programs and Summer Camps all year long. The online system allows you to search for and submit unlimited SAC and Summer Camp requests at any time of the year without waiting for registration to begin! To register and learn more about MCC, visit MilitaryChildCare.com

Continues on Page 6

LUXURY NEW HOMES - MOVE-IN READY

11228 Brassica Lane

\$309,900

~~was \$328,775~~

4919 Wensel Road

\$279,900

~~was \$293,450~~

NEW LUXURY SINGLE-FAMILY HOMES
HOPYARD FARM - RIVERFRONT COMMUNITY

from \$279,900
(540) 775-8411

WALKING TRAILS

NEW 3-LEVEL LUXURY TOWNHOMES
TOWNHOMES AT LAKESIDE - WATER VIEWS

from \$217,900
(540) 898-0041

HAZEL HOMES

HazelHomesVA.com

Prices and terms subject to change without notice. Hopyard Farm is being developed in a manner to protect and enhance the Rappahannock River. See Sales Manager for details. Equal Housing Opportunity.

Hourly Care

Location: Child Development Center and Youth Activities Center

Eligible patrons include all children 6 weeks to 12 years of age. Care is available on a day to day basis and requires advance reservations. Hourly care reservations as well as payments for care can be made online at <https://myffr.navyaims.com/ndwcyms.html> Cost: \$4.00/hour

Give Parents a Break

Location: Child Development Center

Eligible patrons include all children 6 weeks to 5 years of age, not yet in kindergarten. The Dahlgren CDC will offer hourly child care on the 1st and 3rd Friday of each month from 7 to 11 p.m. and the 2nd Saturday of each month from 8 a.m. to 5 p.m. This program is free for respite care referrals and \$4.00 per hour for all other patrons. Please make your reservation no later than 6 p.m. on the Monday prior to your desired care date. Reservations can be made in the center or over the phone.

Youth Back to School Dance

Sept. 9 6 to 8 p.m.

Location: Youth Center

Celebrate a new school year! Dance, have fun and meet new classmates while enjoying music, free food and free fun! For all children ages 9 through 16 who have base access. Cost: FREE

Community Recreation Tickets & Travel

540-653-8785

National Kreme Filled Donut Day

Sept. 14 at 8 a.m.

Did you know Sept. 14 is National Kreme Filled Donut Day? MWR wants to celebrate by giving out FREE donuts! MWR will be at the Parade Field parking lot and on the JWAC campus on Wednesday, Sept. 14 at 8 a.m. and will hand out free donuts while supplies last. Stop by on the tents to grab a donut and a newsletter of upcoming fall events on base!

Freedom Live presents The Band Perry

October 1. Gates open at 5:30 p.m. Show starts at 7:30 p.m.

Location: Dahlgren Parade Field

Purchase your tickets at www.Freedom-LiveNDW.com. VIP and Freedom Live Zone tickets will be in limited supply. This is a rain or shine event. Opening acts include Smith Auer Band and Danielle Bradbery, season four winner of The Voice. For more concert information be sure to like the DahlgrenFFR and NSA South Potomac Facebook pages.

Harvest Festival

October 20 from 6 to 8 p.m.

Welcome the fall with the Harvest Festival! Navigate your way through a corn maze. Enjoy games, crafts and inflatables. Don't forget to visit the pumpkin patch, too! This event is free and open to all with base access.

Disney on Ice Follow Your Heart

October 22 at 2:30 p.m.

Location: Eaglebank Arena, Fairfax, VA

Tickets available at Community Rec Tickets & Travel Office Monday – Friday from 9 a.m. to 4 p.m. Ticket supplies are limited and will be available through Oct. 13, or while supplies last. Cost: \$21.00 per person

Craftech

540-653-1730

Acorn Stained Glass Class

Sept. 13 & 20 from 4 to 6 p.m.

Bring a friend and create a fall themed stained glass featuring an acorn just in time for the fall season. This is a three part class. Cost: \$25.00, includes all materials

American Flag Wood Painting

Sept. 14 from 5 to 7:30 p.m.

Spruce up your holiday and fall décor with a rustic American flag painting on wood. Snacks and drinks will be provided. Register at Craftech by Sept. 9. Cost: \$25.00, includes all materials

Christmas Tree & Snowman Orders

Sept. 21 – November 4

It's never too early to plan for the holidays! Add festive flair to your home with a Christmas Tree and Snowman deco mesh decoration! Orders will be available Sept. 21 through November 4. To download and print your order form, visit www.NavyMWRDahlgren.com and click on Craftech under the Community Recreation tab. Items will be available for pick up November 17. Cost: \$60.00 each

Fitness Center

540-653-8580

Visit us online at www.NavyMWRDahlgren.com/fitness-sports to view the Group Exercise schedule-2017 Race Series schedule and upcoming classes and leagues!

Fruit & Veggie Trivia

Weekly in Sept.

How well do you know your fruits and vegetables? The Fitness Center will display three fruits and three vegetables each week in Sept. and test you on your fruit and veggie knowledge! A winner will be drawn on Fridays to win a prize! Cost: FREE

General Library

540-653-7474

Storytime at the Library

Every Monday at noon and Friday at 10 a.m.

Short or tall, big or small, enjoy storytime and crafts for all! Join the General Library every Monday in Sept. and Friday to read a story and make a craft. This October we will be changing to Wednesday evening STEAM storytimes geared towards pre-K age groups at 4:45p.m. and Friday storytimes at 10a.m. There will no longer be a Monday storytime after Sept..

Paws for Reading

Sept. 13 from 3:45 to 5 p.m.

Curl up with a furry friend and read them a story! The General Library will hold Paws for Reading the second Tuesday of every month and give young readers the opportunity to read to their four legged companion. Reading to a pet can help build confidence in young readers. Register online at <http://engagedpatrons.org/Events.cfm?SiteID=6188> and click on a selected time or call the General Library.

Navigating USAJobs.gov with FFS

Sept. 21 at 5 p.m.

Need help getting started with applying to jobs on USAjobs.gov? Join us at the library as Fleet and Family Services gives a class on getting started with applying to jobs on USAJobs.gov. Open to adults with base access. Please register online to reserve one of the library's computers at <https://engagedpatrons.org/EventsExtended.cfm?SiteID=6188&EventID=273250>. No registration is required for those who will be bringing their own computers.

Daddy & Me Pirate Day

Sept. 24 at 11 a.m.

Ahoy Mateys! Celebrate National Pirate Day at

the General Library! Join us for a pirate themed party and pirate magic show! Open to all with base access. Cost: FREE

STEM Club

Sept. 27 at 4 p.m.

Join us after school on the last Tuesday of every month for our STEM event. Sept.'s theme will be hack your backpack! What cool new invention can you create to make your backpack great? Cost: FREE

Liberty

540-653-7277

The Liberty Center and all activities are for Liberty Center Patrons Only: E1-E6 Single/Unaccompanied Active Duty Military.

Horseshoe Tournament

Sept. 9

Join us for a horseshoe tournament at Liberty!

Richmond International Raceway

Sept. 10

The NASCAR Sprint Cup Series goes under the lights for the "Last Race to Make the Chase", the Federated Auto Parts 400. Join us for the 25th Anniversary of the Night Race and watch drivers compete for a spot in the Chase.

Football Tailgating

Sept. 11, 18 & 25 beginning at 1 p.m.

Enjoy Sunday football at Liberty! Food will be provided.

National Chocolate Milkshake Day

Sept. 12

Stop by Liberty any time of day for your chocolate milkshake!

Jam N Java

Sept. 13

Karaoke and coffee!

Downtown Fredericksburg/Spotsylvania Shuttle

Sept. 14. Van departs at 5 p.m.

Enjoy a shuttle for dinner, shopping or just sightseeing.

Red, White and Blue Theme

Sept. 15

Stop by Liberty wearing your red, white and blue for a surprise.

Midnight Bowling at Cannonball Lanes

Sept. 16 at midnight

The lights go out, the pins go up! Bowl at midnight for free with Cannonball Lanes. Beverages and snacks will be provided. If no one is present by 12:15 a.m. Cannonball Lanes will close.

Stratford Hall Oyster Festival

Sept. 17. Van departs at 10 a.m.

Come to Stratford Hall's Wine and Oyster Festival to try some amazing craft beer, featured Virginia wines and a wide variety of seafood! All tasters must present a valid I.D. Cost per sailor: \$10.75 21 and up, \$5.75 under 21

Outdoor Game Day

Sept. 20

Stop by Liberty to play a game of corn hole, giant connect 4, pool, air hockey or ping pong any time of the day!

Wing Wednesday

Sept. 21 at 3:30 p.m.

Free wings while they last!

National Ice Cream Cone Day

Sept. 22

Stop by Liberty for your free ice cream cone!

Late Night Movie at the Theater

Sept. 23 at 10 p.m.

Sign up at Liberty for a movie showing at the Movie Theater after dark. Enjoy free popcorn,

drink and candy!

Virginia State Fair

Sept. 24. Van departs at 10 a.m.

Let Liberty treat you to the Virginia State Fair! Enjoy spectacular amusement and thrill rides, shows and attractions, animal and agriculture exhibits, concerts and more!

Pancake Lovers Day

Sept. 26 from 11 a.m. to 1 p.m.

Stop by Liberty to get your Pancake & Sausage breakfast for lunch!

Domino's Pizza

Sept. 27 at 3:30 p.m.

Enjoy free, hot and cheesy pizza at Liberty!

Sept. Birthday Celebration

Sept. 28 beginning at 1 p.m.

Cake for all birthdays in Sept. while supplies last!

Hangover Movie Marathon

Sept. 30

Watch The Hangover and laugh all day long!



Indian Head Child & Youth

CDC 301-744-4458

Teen Open Recreation

Open to ages 13 – 18 from 6:30 – 10:30 p.m.

Contact the Youth Center for more information.

Youth Open Recreation

Open to ages 5 – 12 from 6:30 – 10 p.m. Con-

tact the Youth Center for more information.

Indian Head Community Recreation Center

301-744-4850 or 301-744-4648

Storytime and Crafts

Every Tuesday from 10:30 – 11 a.m.

Join us at the Library every Tuesday for a story and a craft!

STEM: Bristle Bots

Sept. 15 at 6 p.m.

WARNING: This event may induce a strong love for robotics!

Drop in to create a feisty little robot made out of a toothbrush, a battery and a tiny motor. Make your own and race it against your friends! Call us or stop by to register before Sept. 9.

Craft Beer 101

Sept. 23 6 p.m.

Location: Mix House

Want to learn how to make your own IPA? Don't know what an IPA is but want to learn? Be your own microbrewery with this craft beer 101 class! Contact Community Rec for more info.

Indian Head Globe & Anchor/ Tiki Bar

301-744-6487

Make sure to LIKE us on Facebook to see the exciting drop-in events throughout the month.

Season Closing of the Tiki Bar

Sept. 30 at 6 p.m.

We are sad to see the shutters close, but we're bringing you one last big Tiki Hoorah!

NETC Force Master Chief Visits Dahlgren

By Kimberly M. Lansdale, Center for Surface Combat Systems

Naval Education and Training Command (NETC) Force Master Chief (AW/SW/FMF) Mamudu Cole visited the Center for Surface Combat Systems (CSCS) and AEGIS Training and Readiness Center (ATRC), co-located onboard Naval Support Facility (NSF) Dahlgren, Aug. 22.

Capt. Pete Galluch, ATRC commanding officer, welcomed Cole and discussed current training of AEGIS Fire Controlmen and the block learning concept in support of Ready, Relevant Learning (RRL) during an office call.

Chief (select) Fire Controlman Elizabeth Sharpe then provided Cole a tour of the schoolhouse. He was able to see firsthand how ATRC trains Aegis FCs to operate, maintain, and employ the various systems associated with the AEGIS combat system found onboard the Navy's AEGIS cruisers and destroyers.

"While observing the standard classrooms, hands-on labs, simulations, as well as computer-based and interactive courseware training, Force Master Chief Cole took various questions from students," she said. "We also visited ATRC Admin and

the Sailor Resource Center."

After the tour, Cole held an ATRC E-6 and Junior Call and then a CSCS and ATRC Chief Petty Officers and Selectees Call.

"I am continuously impressed with the training we are doing throughout our learning centers," said Cole. "The team here is conducting training 24 hours a day, five days a week to meet the requirements of the fleet. It's remarkable to see the accomplishments of our new Sailors as they learn new skills that will be utilized when they enter the fleet."

CSCS' mission is to develop and deliver surface ship combat systems training to achieve surface warfare superiority. CSCS headquarters' staff oversees 14 learning sites, including ATRC, and provides nearly 70,000 hours of curriculum for 700 courses a year to more than 40,000 Sailors. CSCS delivers specialized training for Officer and Enlisted Sailors required to tactically operate, maintain, and employ shipboard and shore-based weapons, sensors, and command and control systems utilized in today's navy.

For information about the Center for Surface Combat Systems, visit <https://www.netc.navy.mil/centers/cscs/>



U.S. NAVY PHOTO BY CFC JUSTIN HOLLIDAY, AEGIS TRAINING AND READINESS CENTER

Naval Education and Training Command (NETC) Force Master Chief (AW/SW/FMF) Mamudu Cole poses with Chief Petty Officer Selectees for a photo during his visit to the Center for Surface Combat Systems and AEGIS Training and Readiness Center.

MWR

Continued from page 6

Gather your friends and we'll dance the night away to LIVE music, enjoy free light fare, and 4 great closeout drink specials. Cost: FREE.

Indian Head Liberty Center

301-744-4524

The Liberty Center and all activities are for Liberty Center Patrons Only: E1-E6 Single/Unaccompanied Active Duty Military.

Indian Head Stars & Strikes Bowling Center

301-744-4761

Games: Military \$2.00/game; Civilian \$3.00/game; Shoe Rental \$1.00

Party Rental

Rent Stars & Strikes for your next celebration and let us help you throw a bowling bash that your guests will rave about! Cost: 2 hour rental prices are \$60 for military and \$70 for civilians. Price includes 4 private lanes, shoes, cosmic lights and whole lot of fun!

Open Bowling

Fridays and Saturdays from 5 — 10 p.m.

Bored on the weekends? Look no further. Stars & Strikes Bowling Center offers open bowling on Fridays and Saturdays.

Lunch is Now Served!

Lunchtime Bowling

Every Wednesday from 11 a.m. — 1 p.m.

It's time to enjoy your lunch! Take a break from the office and unwind with a game or two of bowling! Want a quick bite while you play? Visit us online for the menu and to contact Stars and Strikes for more information.

Cosmic Bowling

Every 2nd and 4th Saturday of the month from 5 — 10 p.m.

What glows in the dark and is too much fun to miss? Cosmic bowling at Stars & Strikes Bowling Center!

Indian Head Weight House Fitness Center

301-744-4661

Women's 3v.3 Indoor Volleyball Tournament

Sept. 16 from 10 a.m. — 2 p.m.

"You just got served, Meet me at the net!"

3 on 3, teams will play each other twice to be seeded into a double elimination tournament. Prizes awarded to 1st and 2nd place teams. Register by Sept. 12. Cost: Military-FREE. All others \$5.

Community

Continued from page 4

Oct. TBA: New Comedy Club — benefiting a charity a month. Hilarious! : Musical Showcase. Movie time.

October 28-29, Nov 4-5: Mystery of Edwin Droud, a Hickory Dickory Dark production

November: PTP presents God of Carnage, 25-26, Dec 2-3 and Dec 9-10

Upcoming Nov. and Dec. — Comedy Club, Movie Time and special events.

Dec. — Christmas Show TBA

For more information on times, dates and ticket prices see our marquee, call 301-743-3040, or visit our website: indianheadblackbox.org

11th Annual Breast Cancer Walk Set for Oct. 8

Walk to support the men and women in your life at the 11th annual Breast Cancer Awareness Fitness Walk on Saturday, Oct. 8, 8:30 a.m. — 1 p.m. Event begins at Indian Head Village Green and continues for three miles on the Indian Head Rail Trail. Registration is \$25, and includes morning snacks, bottled water, Download registration at www.charlescountymd.gov/sites/default/files/coadmin/mediaservices/graphicdesign/BreastCancerWalkRegForm.pdf

www.charlescountymd.gov/sites/default/files/coadmin/mediaservices/graphicdesign/BreastCancerWalkRegForm.pdf Proceeds benefit the Charles County breast cancer support group, Sisters at Heart. For additional information about the walk, call the Indian Head Senior Center at 301-743-2125.

Vendor Opportunity Available at Celebrate Charles FallFest

Local artisans and crafters are invited to showcase their goods and talents in the fifth annual Celebrate Charles: FallFest on Saturday, Oct. 22, noon — 4 p.m. at Regency Furniture Stadium. Registration is \$25. Each vendor will receive one 10- by-10 space with one 8-foot table and two folding chairs. Home party sales vendors are not accepted at this time. For more information and to register, visit www.CharlesCountyMD.gov/CelebrateCharles, or call 1-800-766-3386.

Charles County Parks and Rec Trips and Tours

The Charles County Department of Recreation, Parks, and Tourism offers many bus trips, overnight trips, and "Fly Away" trips in which you travel to faraway destinations.

Upcoming Trips and Tours (All Ages):

Wilmington and Western Railroad and Wintherthur Museum and Gardens, Saturday, Oct. 2

Registration Deadline: Sept. 22. Fee: \$105/pp. Christmas Spectacular, Radio City Music Hall, NYC — Saturday, Nov. 19

Registration Deadline: Oct. 24. Fee: \$160/pp. American Holiday Festival, US Army Band, Washington DC — Date: Saturday, Dec. 3

Registration Deadline: Nov. 4. Fee: \$46/pp.

Upcoming Trips and Tours (Seniors Citizens, age 60+):

A Christmas Story, Riverside Dinner Theater, Fredericksburg, Virginia — Date: Wednesday, Nov. 30

Registration Deadline: Oct. 17. Fee: \$98/pp.

Fly Away Trips:

Pacific Northwest and California — eight days, 10 meals, April 23-30, 2017

The Colorado Rockies — nine days, 12 meals, July 14-22, 2017

Switzerland, Austria Bavaria — 10 Days, 12 meals, Sept. 21-30, 2017

Online registration is available at www.CharlesCountyParks.com Registrations for trips are accepted at the Department of Recreation, Parks, and Tourism (Port Tobacco). Senior trip registrations are also accepted at the Richard R. Clark Senior Center (La Plata) or call 301-934-9305 or 301-870-3388.

Charles County Citizen Notification System

Sign up for the Charles County Citizen Notification System (CNS), to receive emergency, weather and community notifications via phone calls, text messages, email and more, for the locations you care about in Charles County. You can choose to receive notifications about events that may affect your home, your child's school, your parent's home, your workplace or other locations. For more information and to register visit <http://www.charlescountymd.gov/CNS>

Base Happenings

Continued from page 4

Bread Bonanza at the USO

The USO offers a free bread and baked goods giveaway, with donations from Food Lion on Thursdays from 9 a.m. to 1 p.m. Pick from a wide selection of breads, cakes, cookies, muffins, pies and more.

To publish information on your event or program under "Base Happenings," contact Andrew Revelos at 540-653-6012 or email Andrew.revelos1@navy.mil.

CBIRF

Continued from page 1

“Scarlet Response’s purpose was to give us a venue where we could utilize all of the IRF’s capabilities,” said Gunnery Sgt. Matthew Weiland, IRF B mission chief. “It allowed all of the sections to work hand in hand, allowing us to see what the IRF would look like if it were deployed in a real life scenario.”

The exercise solidified CBIRF’s capability to respond to a catastrophe inside the United States and anywhere in the world.

This large scale exercise provided the alert command element, ACE, to be fully engaged from the beginning to the end of the mission. The ACE is the forward command and control node supporting IRF operations down range.

The command and control aspect of any operation is essential to the success of the mission, said Weiland.

“If the IRF needs something down range, whether it is intelligence or more water or [protective] suits, the ACE can provide it while simultaneously reporting to higher headquarters

everything that is going on,” said Weiland.

During Scarlet Response, CBIRF also had an opportunity to work alongside soldiers with 911th Technical Rescue Engineers Company stationed at Fort Belvoir, Va., training with technical rescue platoon Marines during lane training and the multi-hour simulated response exercise.

“I think is a great way to show that the services can work together,” said Army Staff Sgt. Michael Christensen with 911th Technical Rescue Engineers Company.

911th soldiers provided great assistance in the final exercise dividing the workload and allowing the IRF technical rescue platoon to develop a rest cycle.

The final exercise began at 9 p.m. in a mile long highway blocked off by vehicles flipped over and simulated victims trapped inside located on the training grounds of Guardian Centers.

“The highway clearance mission we were given on the first night was a unique challenge that we have never executed before,” said Capt. Zachariah Dentes, Reaction Force Company executive officer and IRF B commander. “Instead of having a static zone to work with, we had to

continuously move our elements forward down the long highway.”

Identification and detection platoon, IDP, was the first section to go into the “Hot Zone,” a term used to describe the contaminated area.

IDP geared up in level “B” protective equipment including sealed suits and a Self-Contained Breathing Apparatus, SCBA, to prevent from inhaling unknown agents. Technical rescue platoon and search and extraction platoon worked together to free the victims trapped inside vehicles using extrication and heavy machinery to work through the mangled vehicles.

The casualties coming out of the hot zone were transported to the decontamination area where ambulatory casualties were given instructions to wash themselves with special detergents to neutralize and decontaminate radiation exposure. Non-ambulatory victims were decontaminated by decontamination personnel. CBIRF’s Navy corpsmen were on standby to examine and treat every victim coming out of decontamination.

IRF B was able to incorporate two additional task forces to accomplish the mission. 911th Technical Rescue Engineers Company and

Georgia Search and Rescue allowed for each task force to work 12 hours shifts and continue operations for the 48 hours of the exercise.

Exercise Scarlet Response ended with the IRF successfully clearing out 75-acres of town on the Guardian Centers’ training ground rescuing victims, clearing a mile long highway of overturned and damaged vehicles, extricating victims from vehicles and building support mechanisms for collapsed building to properly help trapped victims, decontaminating victims and providing medical care.

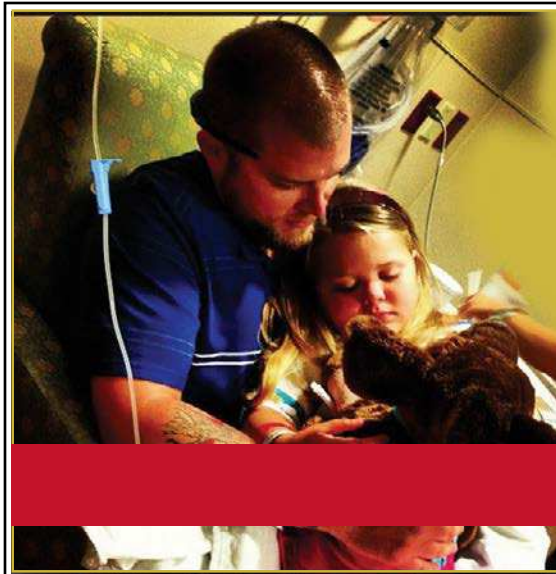
“The [primary assessment] teams searched and cleared a total of 58 buildings in 95 plus degree heat in level b gear [sealed suits and SCBAs],” said Dentes. “Everyone was impressed with the Marines’ abilities to press on through the heat.”

“The Marines at all levels did an excellent job,” said Weiland. “The motivation, dedication and work ethic was commented on by Georgia Search and Rescue, Guardian Centers’ staff and instructors with years of experience in the first responder’s field. We received nothing but positive feedback on how hard the Marines worked on this operation.”



U.S. NAVY PHOTO BY PATRICK DUNN/RELEASED

Laura San Filippo, a Navy Scan Eagle unmanned aerial vehicle operator, conducts over-the-horizon contact detection, tracking, and identification while monitoring for hostile intent at the 2016 USS Dahlgren demonstration, Aug. 30. The Scan Eagle was part of the Navy’s evaluation of a strike group’s gun weapon systems, combat systems, and unmanned vehicles integrated with surface and air assets. The test – made possible by a cybernetic laboratory called USS Dahlgren – proved engagement coordination across the battlegroup and live fire destruction of multiple targets from two combatants utilizing two different gun based systems.



Wounded Warriors Family Support is an independent nonprofit organization whose mission is to improve the quality of life for the families of our combat wounded. Having earned Charity Navigator’s highest four-star rating, WWFS aids veterans and their families in healing the wounds that medicine cannot.

Visit wwfs.org for more information about our veteran programs.



CFC# 81534

Strike

Continued from page 1

threat of surface craft attacking a virtual naval battlegroup consisting of a Nimitz class aircraft carrier, an Aegis class cruiser and an Independence class Littoral Combat Ship,” said

Neil Baron, Naval Surface Warfare Center Dahlgren Division (NSWCDD) distinguished scientist for combat control.

At one point, senior Navy officials – flag officers, commanding officers, and two-dozen senior executives – watched engineers fire a 30 millimeter

gun on the Potomac River Test Range from their Littoral Combat Ship’s (LCS) — Surface Warfare (SUW) Mission Package Command and Control laboratory several miles away.

See **Strike**, Page 9

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Strike

Continued from page 8

"This event brings it all together," said Rear Adm. Tom Druggan, NSWC commander. "We have to field systems that are a slam dunk win for the Navy. Our job is to make sure the Fleet wins today and in the future."

The test – made possible by a cybernetic laboratory called USS Dahlgren – conducted engagement coordination with virtual and hardware representations of systems on the USS John C. Stennis (CVN 74), USS Bunker Hill (CG 52), and USS Independence (LCS 2) during live fire destruction of surface threats utilizing the LCS 30 millimeter, Aegis MK 46 gun system's 5-inch guns, and simulated Hellfire missiles.

"This has been five to six years in the making and couldn't come at a better time as we see real-world events such as the recent small boat incursions in the Middle East, highlighting the need for the Fleet," said Capt. Brian Durant, NSWCDD commanding officer.

Druggan, Durant and their counterparts watched as actual combat system equipment from the aircraft carrier and two surface combatant laboratories directed live fire on the Potomac River Test Range as fictitious surface threats attempted to attack.

The live fire engagements continued throughout the scenario, demonstrating integration of currently fielded capabilities – from MH-60R and

MH-60S Seahawk helicopters to the Aegis Combat System and the Ship Self-Defense System – with new technologies such as Virtual Automatic Scoring System (VASS).

The NSWCDD-patented VASS calculates gunfire miss distances and adjusts targeting for gunners to converge gunfire onto a target without risking the lives of forward observers.

Live targets were quickly destroyed at safe distances as more than 60 visitors observed the power of integration.

They also watched as Naval Air Warfare Center Aircraft Division (NAWCAD) impacted the demonstration with air domain assets and expertise. The NAWCAD Surface Aviation Interoperability Lab 'RoadHawk' tractor trailer with its MH-60R Seahawk surface attack helicopter's avionics suite and a mobile van carrying an MH-60S helicopter provided over-the-horizon threat contact, identification, tracking and simulated Hellfire engagements.

"By utilizing multiple laboratories and live capabilities across the Navy, we are able to model a very realistic, complex battle space environment to thoroughly test our weapon systems" said Amy Markowich, NAWCAD Integrated Battlespace Simulation and Test Department director. "Combining live, virtual and constructive assets such as the Roadhawk, virtualized and hardware-in-the-loop ship simulations, and the LCS 30 millimeter gun here at Dahlgren, make it possible to evaluate how multiple Navy assets



U.S. NAVY PHOTO BY PATRICK DUNN/RELEASED

A Scan Eagle UAV launches from the NSWCDD Potomac River Test Range, Aug. 30. The Scan Eagle was crucial to the Navy's evaluation of a strike group's gun weapon systems, combat systems, and unmanned vehicles integrated with surface and air assets at the 2016 USS Dahlgren demonstration.

will work together easily – and at a much reduced cost."

The event's first scenario featured simulated engagements on maneuvering targets, proving the Navy's ability to use manned and unmanned platforms for early over-the-horizon detection and tracking as well as future unmanned surface vehicle engagements.

USS Dahlgren facilitates this mission with high fidelity testing that leverages both hardware-in-the loop and virtual combat systems.

"All testing occurred within the fence in an environment that does not impact Navy ships or crew members," said Steven Shannon, USS Dahlgren tactical operations lead. "The testing normally required aboard a Navy ship and other high demand sites can be now accomplished through USS Dahlgren including capability at other warfare centers."

Its integrated testing capabilities ensure that test and evaluation resources can rapidly adapt to changing warfighters' needs.

In this case, USS Dahlgren created a land-based air and surface representation of a strike group. In the future, the goal is to bring in additional undersea capability through collaboration with other warfare centers.

"The level of complexity shown in this demonstration directly reflects the complexity our operational units see in theaters

of operation today," said Melissa Smith, USS Dahlgren lead investigator and Integrated Lab Council lead. "This land-based ability to recreate the complexity of naval surface warfare helps us to find new technologies and repurpose current technologies and equipment. This is the primary mission of our laboratory environment across the nation – maintaining technological advantage for our surface Fleet."

USS Dahlgren increases this advantage by providing a mechanism to measure latencies, develop draft concept of operations, and influence systems to improve the entire detect-to-engage kill-chain.

"Early findings and adjustments with respect to the kill-chain are crucial for increased tempo encounters," said Nelson Mills, USS Dahlgren co-lead investigator and capabilities development lead. "The short-term goal for USS Dahlgren is to leverage and connect to existing Naval infrastructure at NR&DE (Naval Research and Development Establishment) sites and to virtualize any missing elements as necessary, creating an air, surface, undersea test bed that replicates our current and future strike groups."

In a 2014 test, the USS Dahlgren – a Navy Innovative Science and Engineering funded-test bed – proved it could integrate unmanned vehicles into the fire control loop of a major weapon system aboard

a surface combatant.

"Efforts, like what we saw today, allow the Navy to explore new technologies and rapidly evaluate and deploy new capabilities to the Fleet. The USS Dahlgren modeling and simulation work is leading the way for the Naval Research and Development Establishment," said Markowich, the Department of the Navy Modeling and Simulation executive for the Assistant Secretary of the Navy (Research, Development and Acquisition).

Meanwhile, NSWCDD plans to leverage USS Dahlgren to support integration of electromagnetic railgun solid-state lasers, and other initiatives for risk mitigation prior to fielding.

"This year we are taking the next big step for USS Dahlgren by integrating the fire control loop in an ever increasing complex operational scenario," said Baron.

The fire control loop's compatibility with complex systems and missions is now a fact due to USS Dahlgren's highly integrated lab environment that can emulate a kill chain, ship, or battle group while serving as a rapid prototyping and experimentation platform.

This integration is made possible by Navy-wide infrastructure linked to USS Dahlgren, including experimental test ranges, waterfront, and airspace; tactical and developmental command and control laboratories, sensors, weapons, manned and

unmanned platforms; hardware in the loop and virtualized combat systems; and external connectivity via Department of Defense networks and over-the-air connectivity.

"In effect, USS Dahlgren provides a naval venue for research, development, test and evaluation that spans all aspects of the kill chain," said Mills. "It provides for continuous testing across the acquisition lifecycle in a high fidelity environment via distributed network architectures."

This constant testing capability spans the acquisition lifecycle, featuring off-site connectivity to investigate ship, battle force, and joint force integration and the ability to replicate the Fleet environment to address issues observed at sea.

"These couldn't be more exciting times for the naval scientist and engineer," said Baron. "Designing and delivering new equipment is very important. We also have tremendous intellectual talent across the Naval Research and Development Establishment to draw latent capabilities out of the equipment we already have by integrating things in new ways and enabling warfighting capabilities that only a Navy battle group can deliver."

Click here for video of the virtual demonstration:

<https://www.dvidshub.net/video/481564/virtual-strike-group-verifies-new-us-navy-combat-capability-complex-test>



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Dahlgren Museum to Host Fall Community Forum Series

The Dahlgren Heritage Museum continues its 2016 Community Forum Series in October to highlight the his-

tory of Naval Support Facility Dahlgren, which will celebrate its centennial in 2018.

The second part of the forum

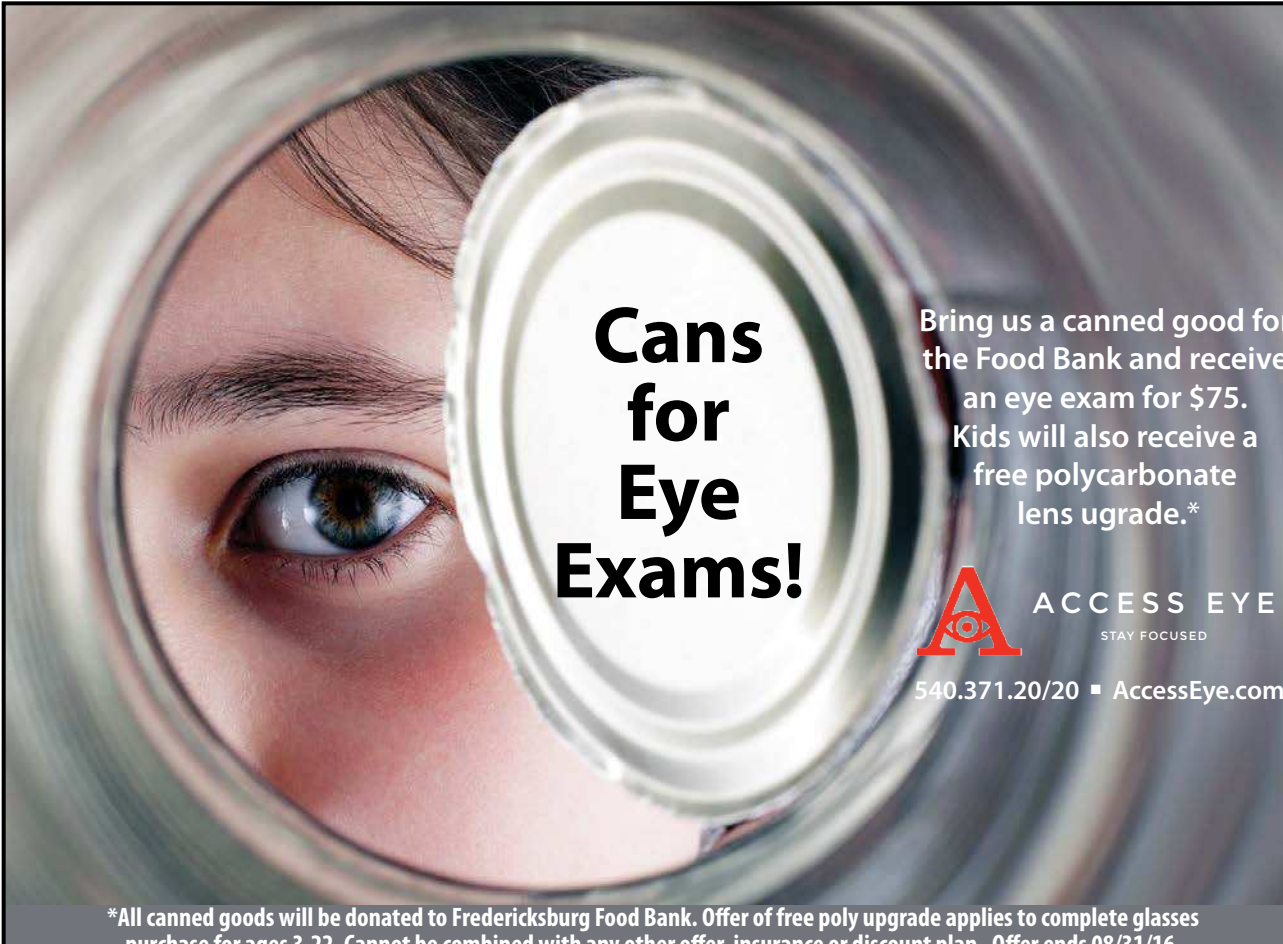
series will be hosted at the University of Mary Washington's Dahlgren Campus, 4224 University Dr., King George, Va. The

event begins at 5 p.m. in University Hall, preceded by a reception at 4:30 p.m. The second community forum in the series

will be held on Oct. 13, "From Proving Ground to R&D Center," will focus on critical transitional periods in Dahlgren's more recent history. Panelists will include Elizabeth Lyddane, speaking of her father, Dr. Russell Lyddane, along with Dr. Jim Colvard and Dr. Robert Gates. Lyddane and Colvard both served as technical directors of the Dahlgren base, and Gates was a senior executive at Dahl-

gren as well as technical director for Naval Surface Warfare Center Indian Head Division. Completing the panel will be retired Navy Capt. Joseph McGettigan, who commanded Naval Surface Warfare Center Dahlgren Division, from 2004 to 2007.

The community forums are open to the public and are free of charge. Dahlgren Museum to Host Fall Community Forum Series.



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