



INSIDE YOUR DISPATCH



DETECTING ENEMY FIRE



Simulated missile shots and live fire verify system's capabilities.

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COMMAND PERSPECTIVE



Not sure of the message? Asking a question can clear things up.

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Warfighter suits spend "years" at DPG.

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Blowing dust, salt fog and temperature shock complete phase one SOM testing.

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ONLY ONE LIKE IT



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BLACK HISTORY MONTH



The inspiring story of the Montford Point Marines.

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AND MUCH MORE

Warning System Put to Test

By Becki Bryant

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Atop one of Dugway Proving Ground's mountain ranges sits a unique truss, built to mimic the moves and vibrations of a combat helicopter. It is equipped with an aviation warning system designed to detect enemy fire and implement appropriate countermeasures to protect the aircraft and crew.

The Army's Project Management Office for Aircraft Survivability Equipment (PMO-ASE) calibrated the system at Dugway Proving Ground (DPG) in November 2019, ensuring the system's hardware and software were working properly when tested with different simulators. Once the warning system was verified and calibrated, PMO-ASE returned to Dugway in January 2020 to test the system over several weeks. That testing included simulated missile shots and live hostile fire, fired at the system separately and simultaneously from various angles and distances.

"We are verifying that the system can handle more than one threat from more than one point of origin," said Mallory Cole, a test engineer contracted with PMO-ASE. "As threats evolve, so should the detection capabilities."

The warning system and its various upgrades have been tested at Dugway since 2013.



Simulated missiles and live fire from different weapons systems were shot from various distances and angles at a truss-mounted aviation warning system at Dugway Proving Ground. The data captured at DPG will help verify if the system is working properly to detect and protect against enemy fire. Photos by Becki Bryant, DPG Public Affairs

"Dugway has a topographical advantage over other testing sites," shared Derek Schumann, Project Test Officer, Special Programs Division, West Desert Test Center, DPG. "The elevation difference from the desert floor up to the test area is ideal for this type of testing. Plus, we have a

clear line of sight across the desert to the testing area. That's important for safety as well as radar data collection capabilities."

In addition to being responsible for the safety of all involved personnel, Dugway assists with the test's pre-planning, heavy equipment operations and

logistics. Dugway's support goes a long way helping the customer, PMO-ASE, execute the test of record and capture the data needed to verify the warning system's capabilities execute as expected.



Command Perspective



By Vincent M. Liddiard

Chief of Staff, Dugway, Utah

with each situation and what is familiar to us. At Dugway we use speech that may include building numbers (4156, 5330, or 3445), acronyms (WDTC, MICC, or MWR), and document references (SOP, form 7600, and AR 50-6). Each of these communicate something to those who are familiar with them. To others it's just a jumble of letters and numbers.

It is easy to become confused or to feel slighted when we don't have the full context of the message. The words we use can take on vastly different meanings

just by differences in pauses and punctuation. If we aren't careful it is easy to be offended or shocked by what we are told. When we give the other person the benefit of the doubt we can often clear up any misunderstanding. If you are not sure of the intent of the message, ask a clarifying question. Questions are the key to unlocking knowledge. As we emerge on a busy season of testing, activity reports, and planning efforts, join me in striving to provide: the purpose, right information, and clarity in the message. When we fall short, assume positive intent when listening to or reading messages from others. Will Rogers is credited with saying "So let's be honest with ourselves and not

take ourselves too serious, and never condemn the other fellow for doing what we are doing every day, only in a different way."

When we receive information listen for the 'what', ask 'why', and respond positively.

I'm constantly impressed by the work done by so many at Dugway. The creativity, problem solving and dedication are truly inspiring. Thank you for giving your best to support the warfighter. I see, each of you working with dedication to the mission. Let's help each other as we work together by assuming positive intent.

The individual qualities and strengths of each of us make Dugway a better place.

Suited for Success



AJ Line, an Engineering Technician with the West Desert Test Center, checks the chamber's control panel to verify environmental conditions are correct inside the accelerated aging chamber. Photos by Gabriel Archer, Dugway Visual Information Specialist

By Becki Bryant
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A technician with the West Desert Test Center (WDTC) removed warfighter suits from the accelerated aging test chamber on Feb. 3, 2020, after the suits spent 29 weeks inside. The accelerated aging chamber maintains specific environmental conditions to accelerate the aging process so that those 29 weeks simulated 10 years on the shelf. The purpose of the accelerated aging test is to ensure the suits can be stored for 10 years and still function properly. It is part of

the Uniform Integrated Protection Ensemble Family of Systems (UIPE FoS) testing process. Part of the test process is set by U.S. military standards 810 and included temperature shock testing prior to accelerated aging.

This particular accelerated aging test included the chemical, biological, and radiological layer (CBRL), an undergarment developed for and used primarily by airmen. The CBRLs were stored inside the accelerated aging chamber in their original manufacturer packaging. After being removed from the chamber,

technicians unpacked the suits, laid them out on a table, and closely inspected them for any oddities.

"We know what the suits looked like before aging so we are looking to see if there is any change," explained John Tobler, WDTC Test Officer and Chemist.

Once the CBRLs were visually inspected, swatch permeation testing started with the low volatility agent permeation (LVAP) test fixture. LVAP testing is now complete and swatch permeation testing with the aerosol, vapor, liquid assessment group (AVLAG)



After being removed from the accelerated aging chamber, the undergarments were unpacked and visually inspected for any changes before undergoing swatch permeation testing.

will get underway next.

"We will check to see if there is a difference in performance between the aged and non-aged suits," Tobler said.

The testing done at Dugway Proving Ground's West Desert

Test Center ensures the warfighter undergarments will hold up to time and extreme conditions during storage and still properly protect the wearer against a chemical, biological or radiological threat.

Share the Vision



Maybe you've already noticed this poster in your building? Dugway's Command Sergeant Major, CSM Kyle Brinkman, recently placed a number of Command Vision posters around the installation to remind the workforce about what's most important: People, Mission Focus, and Working Together, Moving Forward. "Without our people, we can't accomplish our mission, which is the reason Dugway Proving Ground exists," explained Col. Scott Gould, DPG Commander. "We must continually focus our efforts on our mission to ensure Dugway's success and relevancy in the future."

Easter Sunrise Service

Sunday, 12 April 2020
0700
Commander's Hill

0830 Breakfast Potluck to follow at Dugway Chapel

For more information call: (435)-830-8989



Speed and Shared Risks

By Jerry Hollenback, Garrison Safety
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“Speed, it seems to me, provides the one genuinely modern pleasure.” – Aldous Huxley, writer and philosopher, 1894-1963

Aldous Huxley, the author of *Brave New World*, enjoyed the sensation of speed. Most people will agree that the sensation of speeding, whether it be a carnival ride, going down a steep waterslide, jumping out of a plane, or zooming from Dugway’s main gate to Johnson’s Pass, provides a few moments of increased adrenaline and heightens our senses.

For whatever reason we speed, the reason should be accompanied by a sense of shared consequences. In other words, if we are jumping from a plane, then we should know approximately where we will land so that our actions do not negatively affect someone on the ground. If you are speeding through Johnson’s Pass and passing other motorists, understand that if the other driver drifts into your lane, there will be a dramatic shared consequence.

The concept of avoiding putting yourself and others at risk during any hazardous activity is called risk management. Your choice to

speed with other cars in your vicinity increases their risks without their permission. Getting hit by lightning is an accident; crashing a car at a high rate of speed into another car is never an “accident.”

If you choose to speed or take other risks for whatever reasons, have a plan that provides for your enjoyment while preserving the life and resources of others in the same area where you choose to undertake your risks. Your level of happiness is always increased when others share your joy, not when you deprive others of their safety.



Phase One SOM Testing Complete

By Becki Bryant
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The last Screening Obscuration Module (SOM) unit was pulled from the final test chamber, marking the completion of phase one testing at West Desert Testing Center (WDTC), Dugway Proving Ground.

The SOM is a compact smoke-generating unit that offers multiple benefits over the Army’s current capabilities and could be the first new medium area, medium duration obscuration capability for U.S. forces in more than 70 years.

WDTC previously conducted field testing to verify the SOM could produce ample quality smoke—enough to obscure ground forces. Once field testing was completed, chamber testing started next. Chamber tests consists of exposing SOM units to extreme conditions for a specified amount of time as detailed in MIL-STD-810. After being exposed to extreme conditions, the SOM was then started and ran for several minutes.

The last chamber tests were completed in February and included blowing dust, salt fog, and temperature shock. The SOM

had previously undergone blowing sand, extreme hot and cold temperatures, and high humidity chamber testing at WDTC.

“With the completion of the last three chamber tests, phase one testing is complete,” said Project Test Officer Mike Capp. “Phase two of SOM testing is in planning and we expect to start execution of phase two by the end of the fiscal year.”



CHAPLAIN’S CORNER

By Chaplain (LTC) Shawn P. Gee

40 Days of Love through Prayer and Action

The season of Lent is once again upon us. Lent is a solemn religious observance in the Christian liturgical calendar that begins on Ash Wednesday and ends approximately six weeks later, before Easter Sunday. The purpose of Lent is the preparation of the believer for Easter through prayer, doing penance, mortifying the flesh, repentance of sins, almsgiving, and self-denial.

Lent is observed in the Anglican, Episcopalian, Lutheran, Methodist, Moravian, Presbyterian, Eastern Orthodox, Oriental Orthodox, Reformed, and Roman Catholic Churches. Some Anabaptist and Evangelical churches also observe the Lenten season.

Following the Biblical accounts, Jesus’ crucifixion is commemorated on Good Friday, and at the beginning of the next week Easter Sunday celebrates the Resurrection of Jesus Christ.

During the season of Lent, many Christians commit to fasting, as well as giving up

certain luxuries in order to replicate the account of the sacrifice of Jesus Christ’s journey into the desert for 40 days. This is known as one’s Lenten sacrifice. Lent is traditionally described as lasting for 40 days, in commemoration of the 40 days Jesus spent fasting in the desert before beginning his public ministry, during which he endured temptation by Satan.

The observance of the season of Lent begins with the acknowledgment of our need to examine ourselves, to turn away from our sin and return to the Lord. To make a U-turn, if possible. Lent is not only a time for penitence but also a time for turning our lives around. It is a time for placing behind us the failures of the past and starting anew. This Lenten season serves as an opportunity for us to have a new encounter with God. This encounter with God begins with praying, reading Scriptures, worship, and giving ourselves to reconciliation through acts of repentance and renewal. It’s my prayer that we will take the challenge of 40 days of love through prayer and action.



A SOM unit is covered in dust (left photo) after being in the blowing dust chamber (top photo). The dust is dumped out of the unit and brushed off before it is started and operated for several minutes. The salt fog chamber (bottom right photos) exposes equipment to a fine salty mist, meant to replicate a seaside environment. Photos by Daniel J. Bryant, Dugway Scientific Technical Photographer

Agent Testing of Chemical Surface Detectors Moving Along

By Becki Bryant
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The testing of two Chemical Surface Detector (CSD) prototypes and their complex operating systems continues at Dugway's West Desert Test Center (WDTC). One prototype has completed current agent testing; the other has one more agent trial to go.

The CSD test fixture, also known as the CSD Chamber Rail System, largely consists of a rail system situated above a Lexan containment box. Once attached to the rail system, the CSD can travel at various speeds above the chamber that has coupons of contaminated asphalt, gravel, concrete and other types of ground substrates inside. An opening approximately five inches wide along the top of the containment box allows the detector to have an unobstructed view of the substrates that have been contaminated with the simulant or agent. A powerful air filtration system contains agent vapors within the chamber, and the chamber is located within an environmentally controlled lab and building.

"This is a good test fixture," said Steve Avallone, contracted test representative for

the Joint Program Manager for Reconnaissance and Platform Integration (JPM-RPI). "It's the only one like it in the world."

The CSD test fixture is the brainchild of the Dugway Proving Ground Chemical Test Division personnel and Jacobs engineers. It allows the CSD manufacturers to test their prototypes against real chemical agent in a contained and controlled environment while moving as if it is mounted on a vehicle. When testing the CSDs outside, only simulants can be used. The prototypes have been previously tested outside on Stryker combat vehicles at Dugway Proving Ground. The outside and inside test data are being compared so that adjustments to each prototype technology can be made as necessary.

"This early testing will help lead to a more robust chemical surface detector, which will be integrated onto the Stryker NBCRV," said Charlie Walker, WDTC Test Officer.

Testing at Dugway Proving Ground helps bring the possibility of a chemical surface detector closer to reality, and possibly providing an additional layer of protection to warfighters.



The bright lights inside the Lexan containment box emulate daylight testing conditions. (File photo taken during non-agent operations.) Photo by Al Vogel, Dugway Public Affairs

Black History Month observance: Legacy of the Montford Point Marines

By Al Vogel
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The annual Black History Month Observance at U.S. Army Dugway Proving Ground concerned African American U.S. Marine history. The audience who attended the Feb. 26, 2020 event found it inspiring.

Retired Marine Col. Grover C. Lewis III was the guest speaker, who offered a video and comments on the first African Americans accepted into the Marines from 1942 to 1949 for segregated boot camp at Montford Point, South Carolina. These

20,000 Marines became known as the "Montford Point Marines."

Col. Lewis became a part of the history of Montford Point (later named Camp Johnson) when he became its first African American commander from 2005 to 2007. He emphasized repeatedly that battles are not won with high technology, but within each combatant: training, resolve, courage, esprit de corps and other strengths.

The observance began with an introduction by Jeffrey Garcia, Chief of the Test Support Division, the agency

responsible for arranging the event. Chaplain (Lt. Col.) Shawn Gee followed with the invocation.

Ms. Dee Dee Darby-Duffin sang the National Anthem, accompanied on the piano by Dr. Brian Bennett, Chief of the BioTesting Division. The duo offer jazz and blues concerts throughout the region. Two well-known Billie Holiday songs were offered: 1939's "Strange Fruit" concerns American racism, and 1942's "God Bless the Child."

Dr. Ken Gritton, Technical Director for

West Desert Test Center, ended the presentation with praise of Col. Lewis' insight, eloquence and inspiration. Col. Lewis, the musical duo of Darby-Duffin and Bennett, and Michelle Barney and Melia Johnson were each awarded certificates of appreciation.

The Army Song was sung, then the audience sampled Gullah-style desserts, a type common to the Parris Island area where the Montford Point Marines attended boot camp and today's long-integrated Marines still do.



Guest speaker, retired Marine Col. Grover C. Lewis III, revealed, in a passionate and eloquent address, the history and legacy of the 20,000 African American recruits who became known as the "Montford Point Marines."



Dr. Brian Bennett, Chief of the BioTesting Division at Dugway Proving Ground, plays piano to accompany Ms. Dee Dee Darby-Duffin during their musical presentation at the Black History Month observance. Photos by Al Vogel, Dugway Public Affairs



Guest speaker, retired Marine Col. Grover C. Lewis III, was presented with a certificate of appreciation for his inspiring speech. From left to right are: Ryan Harris, WDTC Director, Dr. Ken Gritton, WDTC Technical Director, Col. Lewis, and CSM Kyle Brinkman, Installation Command Sergeant Major.



At the conclusion of the program, observance attendees retired to the school's common area to sample delicious Gullah-style desserts prepared by the Community Club.



U.S. ARMY QUALITY OF LIFE TASKFORCE

What is it?

The Army Quality of Life Task Force (QOL TF) oversees the comprehensive approach to strengthening quality of life programs in support of the Chief of Staff of the Army's number one priority, *People*. The primary focus of the QOL TF is to ensure Soldiers and their Families have predictable, flexible, adaptable, tailorable and well-executed quality of life programs.

What are the current and past efforts of the Army?

The Secretary of the Army and Chief of Staff of the Army directed the Deputy Chief of Staff, G-9 to lead the Army's QOL TF, comprised of subject matter experts from Army agencies and commands. The Army's QOL TF is developing a campaign plan nested within the Army People Strategy with initial emphasis on:

- Housing: Ensuring Soldiers and Families have safe, quality on-post housing and barracks.
- Healthcare: Creating an integrated, efficient and effective healthcare system.
- Child Care: Providing accessible, affordable child care programs.
- Spouse Employment: Helping military spouses find meaningful employment and careers by maximizing hiring authorities and bolstering existing partnerships.
- PCS Moves: Improving and streamlining relocation policies and initiatives for Soldiers and their Families.

What continued efforts does the Army have planned?

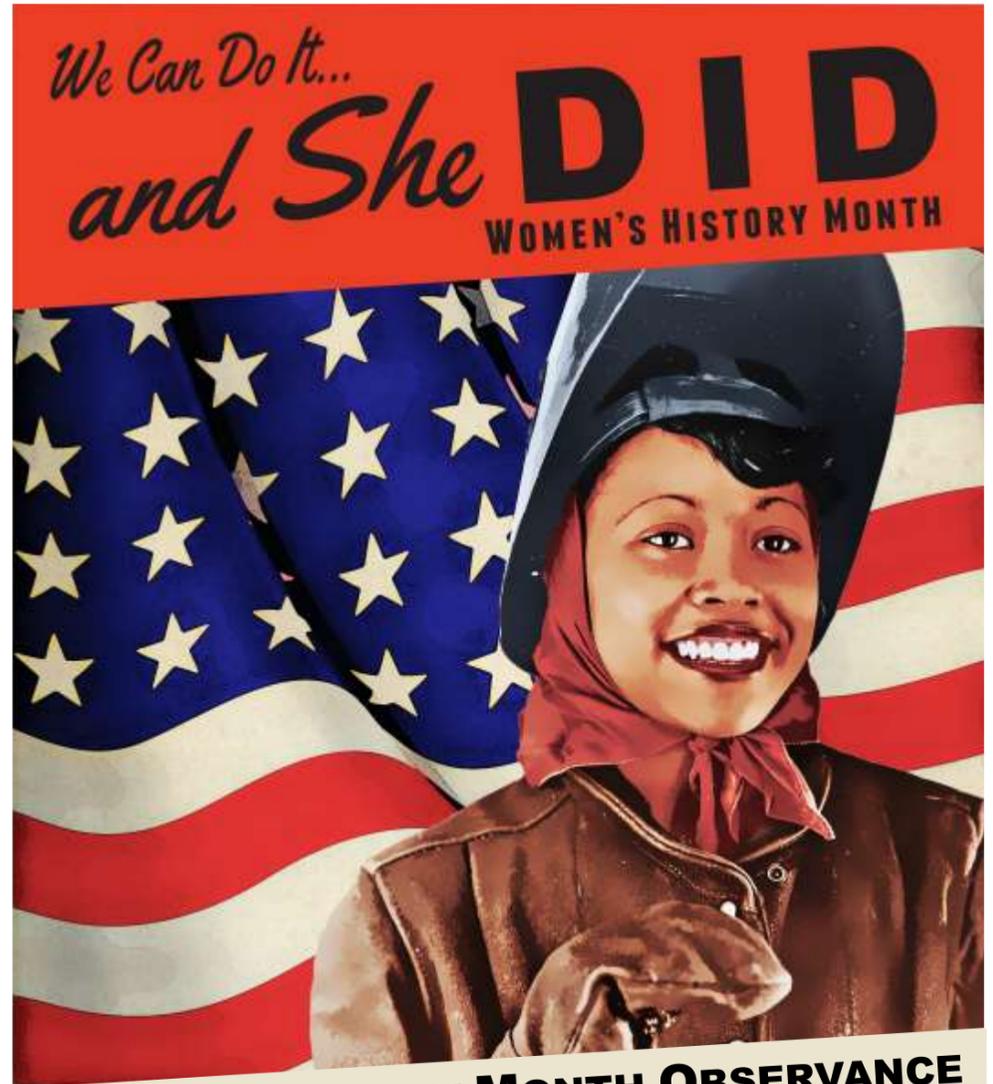
Army Senior Leaders are committed to providing effective, efficient and well-executed quality of life programs for our Soldiers and their Families. The Army will:

- Improve oversight, accountability, and customer service of the housing enterprise.
- Develop holistic investment and education strategies for housing.
- Implement a Tenant Bill of Rights delineating options for residents and responsibilities for Residential Communities Initiative companies.
- Partner with Defense Health Agency to deliver safe, high-quality healthcare in medical treatment facilities.
- Increase child care access by building more child development centers, hiring additional employees, invigorating the Family Child Care program, and streamlining enrollment.
- Hire certified career counselors for the Army Community Service employment readiness program.
- Conduct quality assurance inspections of household goods shipments and incentivize the use of personally procured moves.

Why is this important to the Army?

Quality of life programs promote the health and well-being of the Army, increase recruiting and retention and reduce overall stress and uncertainty. Increased quality of life for Soldiers, Army Civilians and Families is directly tied to increased Army readiness.

(Source - Army STAND-TO)



WOMEN'S HISTORY MONTH OBSERVANCE

TUESDAY, MARCH 24, 2020

DUGWAY SCHOOL AUDITORIUM 1530 - 1700

SPECIAL GUEST SPEAKER: **DILJEET TAYLOR**

BYU WOMEN'S CROSS COUNTRY AND TRACK AND FIELD COACH



Garrison Q1 Employee Awarded



Congratulations to Mr. Daniel V. Fitzpatrick, Installation Housing Manager, recently awarded Q1 Employee of the Quarter. Mr. Fitzpatrick was recognized for clearing longstanding housing wait-lists, performing Quality Assurance inspections, and training four other inspectors to the highest of standards.

THE DISPATCH

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News, information or comments may be submitted to: usarmy.dpg.attec.mbx.pao@mail.mil



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EMPOWERING THE NATION'S DEFENDERS

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