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DUGWAY INNOVATIONS HELP TEST NEW CHEMICAL DETECTOR

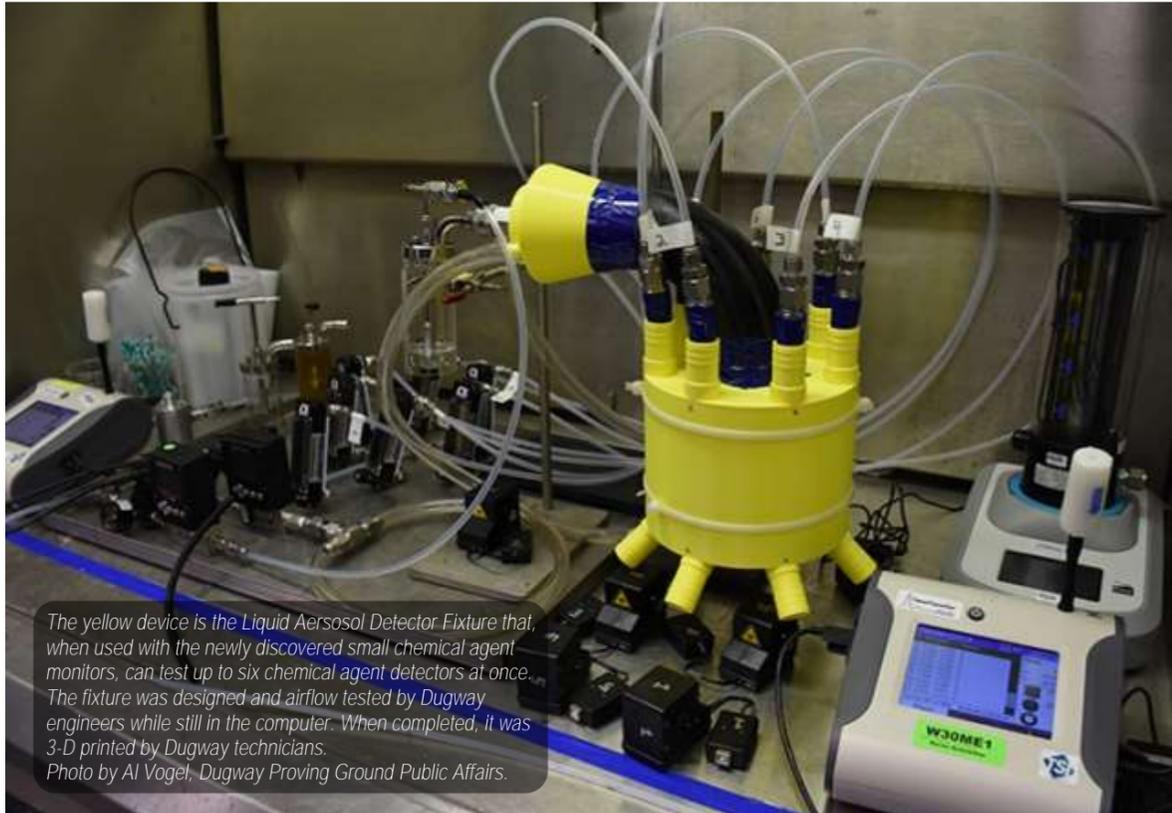
By Al Vogel

albert.c.vogel.civ@mail.mil

Preparations for early 2019 testing of the Next Generation Chemical Detectors are underway, but recent innovations by Dugway personnel are expected to produce quicker and more accurate data than testing methods used in the early 2000s, when Dugway tested the current-issue JCAD Joint Chemical Agent Detector.

Next Generation Chemical Detectors will improve selectivity and sensitivity, detection, consequence management, reconnaissance and the capability to interdict weapons of mass destruction. Their system performance, based on Warfighter needs, will be tested

◆ Dugway Innovations. Page 2



The yellow device is the Liquid Aerosol Detector Fixture that, when used with the newly discovered small chemical agent monitors, can test up to six chemical agent detectors at once. The fixture was designed and airflow tested by Dugway engineers while still in the computer. When completed, it was 3-D printed by Dugway technicians. Photo by Al Vogel, Dugway Proving Ground Public Affairs.

COMMAND PERSPECTIVE

The Urgent and the Important



Gratitude may be the overriding character trait of happy individuals and I believe we all should be happy (because we are grateful) for the conclusion of a very busy test period. The summer test season closed out with some intense events. The year-end close out always means monumental efforts by all of the DPG support functions and staff elements for the Test Center, Garrison and all DPG tenants. I congratulate you for your work and dedication, and I am grateful for your contributions to the success of the DPG mission. And now we enter the beautiful fall and early-winter season, which I hope will afford us time to catch

up on important tasks that were necessarily and temporarily set aside while we attended to the urgent ones whose timelines were often dictated by the fiscal year, rather than by the inherent importance of the tasks.

In a 1954 speech to the Second Assembly of the World Council of Churches, former U.S. President Dwight D. Eisenhower, quoted J. Roscoe Miller, president of Northwestern University, saying, "I have two kinds of problems: the urgent and the important. The urgent are not important, and the important are never urgent." There is wisdom in what is referred to as the "Eisenhower Principle" and it is said to be how the former president managed his workload and priorities.

Important tasks typically take the long view. For example, the Second Continental Congress declared independence from Britain in 1776, but the Constitution was not written until 11 years later, with an additional three years passing before the states ratified it and made it the governing document for the new nation. A lengthy process, yes, but that long process has allowed

democratic freedom to endure for coming up on two and a half centuries. Taking time to get it right was more important than just getting it done.

And getting it right required thought and preparation. President Lincoln once stated, "If I had eight hours to chop down a tree, I'd spend six hours sharpening my ax." In other words, he would take the time needed to prepare for big and important tasks rather than diving right in to the urgent ones.

Certainly there are times when the important and the urgent go hand in hand. During battlefield or civil or medical crises, the urgent and the important can be indivisible. Life and death decisions must be made immediately, and in those instances, we can be grateful for defense and civil professionals that have spent the entirety of their preceding lives sharpening their axes in preparation for making those important and urgent decisions or taking immediate life-saving actions.

But those times notwithstanding, there are many other times when because of our training, or our individual natures, the demands of our jobs, or just

By Kenneth S. Gritton, PhD
Technical Director, West Desert Test Center

because we are in a rush to get things off of our to-do list, we rush to completion. The rush to do more than we are allotted time for is becoming the rule of thumb in today's work environment. But with the start of a new fiscal year, and the conclusion of a million urgent year-end tasks, we have the opportunity for a few weeks to focus on the important rather than the urgent. The Dugway 2040 strategic plan, planning meetings for military-construction proposals, development of new test technology, and preparation of the long-term budget (the POM) are all important tasks that demand we take the necessary time to get the right outcomes. The urgent tasks will return soon enough with their loud voices, but for a while, let's give the important tasks some attention. Let's sharpen our axes and prepare to better deal with the important, and yes, even the urgent needs in support of the Dugway mission.

On behalf of the Dugway leadership team, I wish you all a safe and happy holiday season. Truth in testing! Truth in everything!

EMPOWERING THE NATION'S DEFENDERS

INSIDE YOUR DISPATCH

DUGWAY INNOVATIONS



Innovations produce quicker and more accurate test data.

page 1&2

COMMAND PERSPECTIVE



Taking the long view. Catching up on important tasks.

page 1

PROACTIVE STEWARDSHIP



Safety, compliance, protection, conservation and preservation.

page 3&4

ULTRA RUNDOWN



5th edition of Dugway's Trail & Ultra Run another run away success.

page 5

1Q4A



Honoring those who have defended our liberties.

page 6

WINTER IS ALMOST HERE



Don't get caught unprepared. Check out this winter driving check list.

page 7

ROCK STAR



Not your everyday pile of rocks. A visit to Devil's Post Pile.

page 8

AND MUCH MORE

DUGWAY INNOVATIONS...

Continued from Page 1.

and evaluated in a wide range of environments.

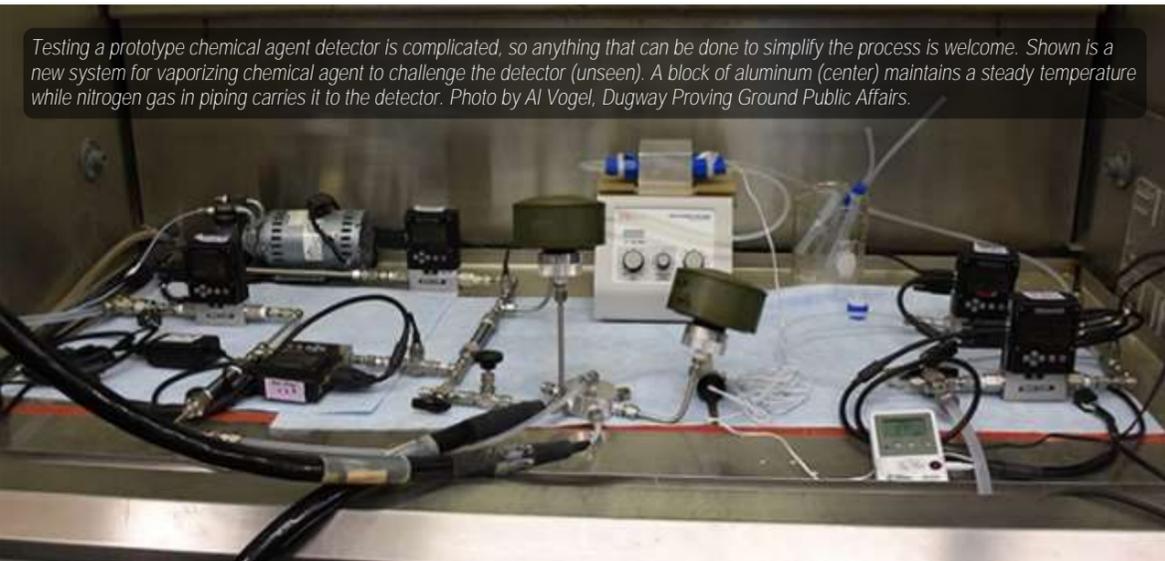
A new Liquid Aerosol Detector Fixture, designed by Dugway engineers Cristian Tabara, Sipex Sun and Daryl Ward, will test up to six NGCD. Until recently, chemical agent monitors that measured agent concentration

monitors, up to six detectors could fit in a Secondary Containment Module glovebox for testing, instead of the standard two. This led to designing the Liquid Aerosol Detector Fixture, to distribute agent to the six detectors. Designed and tested onscreen with computer modeling, the module was 3-D printed at Dugway. The fixture's

concentration of simulant, chemical agent or non-traditional agent. In the past, it required placing agent in a syringe and slowly injecting into a high-temperature tube to vaporize it. Dugway scientists Ercanbrack and Randy Moss developed a new system that loads agent onto glass wool inside plastic tubes. Each tube is then placed in an



Matt McCarty, project manager for Dugway Proving Ground's Chemical Test Division, shows a small chemical agent monitor that scientists hope will replace the typewriter-sized monitors now used for testing prototype chemical agent detectors. Smaller monitors means more detectors can be tested in a given space, reducing testing time. Photo by Al Vogel, Dugway Proving Ground Public Affairs.



Testing a prototype chemical agent detector is complicated, so anything that can be done to simplify the process is welcome. Shown is a new system for vaporizing chemical agent to challenge the detector (unseen). A block of aluminum (center) maintains a steady temperature while nitrogen gas in piping carries it to the detector. Photo by Al Vogel, Dugway Proving Ground Public Affairs.

and particle size for each tested detector were typewriter-sized. Sun, McMasters and Wes Ercanbrack, project scientists for NGCD, discovered online a new chemical agent monitor not much larger than a sardine can.

With the smaller chemical agent

seven ports provide an extra to monitor the simulant or chemical agent's airflow, temperature and composition to ensure testing accuracy.

Dugway engineers and scientists have also created a quicker means to change the

aluminum block to maintain a constant temperature. Nitrogen gas carries the agent, reducing the time required to change the agent's concentration from up to two hours to only 30 minutes.

Dugway scientists also recently developed a method to use a

Miniature Chemical Agent Monitoring System (MINICAMS) to detect the presence of a vaporized Non Traditional Agent – toxic substances that are not chemical agents. The new method allows sampling and analysis every eight minutes. Labs elsewhere typically capture samples on a substance over four to 12 hours, then examine the substance in a lab to determine its composition.

Agent monitoring includes analysis by a mass spectrometer, which reveals each chemical's structure and amount -- an

important capability when testing with Non Traditional Agent. "We get better data if we use a mass spectrometer because it shows all compounds in a gas stream; a MINICAM only signals within a range," said Matt McCarty, project manager for the Chemical Test Division.

"We're pretty excited about this," McCarty said of the innovations that will streamline and accurize testing. "This will allow us to conduct challenges over very wide ranges."



RUN



AFAP Conference

Army Family Action Plan

AFAP is the voice of the Dugway community and is open to all who wish to attend. Let your voice be heard!

8 November 2017
10:30 am to 3:30 pm
ACS Community Center



CONGRATULATIONS

Please congratulate Ms. Ashely Erickson (Mission) and Mr. Robert Saxon (Mission Support) for being selected as DPG Employees of the 4th Quarter FY17.

Ms. Ashley Erickson is recognized as the Mission DPG Employee of the 4th QTR FY17 for her exceptional performance as a Test Control Officer (TCO) during the Iron Canyon and INTACT tests. As the TCO for the Iron Canyon suite of test events, Ms. Erickson performed duties related to her position, as well as those typically assigned to a Program Manager. Her knowledge and insight into forecasting available resources and test scenario development was instrumental in managing customer expectations, completing 171 explosive events within a strict timeline, and ensuring the safety of the test team. As the Lead TCO for the INTACT test, Ms. Erickson was responsible for coordinating a large team of personnel from U.S. and foreign government, private industry, and academic organizations. Ms. Erickson's innate ability to multitask and adjust to changes was tested daily due to late arriving requirements, personnel changes, and the complex array of instrumentation, organizations, and critical timelines. MS. Erickson's outstanding leadership and dedication to duty was instrumental in the success of high level and first of its kind test conducted at Dugway Proving Ground. Ms. Erickson's attention to detail, dedication and initiative brings great credit upon herself, Dugway Proving Ground, and the United States Army.

Mr. Robert Saxon is recognized as the Mission Support DPG Employee of the 4th QTR FY17 for his exceptional performance producing the Emerging Threat Programmatic Environmental Assessment, and for exceptional leadership and dedication supporting the testing requirements of Dugway Proving Ground. Mr. Saxon synchronized and integrated the products of multiple offices in order to ensure clarity in message, accuracy in planning, and garnering support from the workforce and the public. Mr. Saxon's attention to detail, dedication and initiative brings great credit upon himself, Dugway Proving Ground, and the United States Army.

DUGWAY'S PROACTIVE STEWARDSHIP BENEFITS ARMY TESTING

By **Bonnie A. Robinson**
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[Editor's note: This article is part one of a two part series about the personnel at Dugway who work tirelessly to safely test and evaluate chemical and biological defense systems while being good stewards of the environment and complying with all established regulations.]

The U.S. Army has long recognized that to sustain critical defense testing and operations it must have a safe, strictly compliant, cost-effective and workable environmental management plan to meet its mission. Those environmental priorities are all found in the Army Strategy for the Environment, written in 2004, that establishes a long-range vision of sustainability enabling the Army to meet its mission today and into the future.

The Environmental Programs Division at U.S. Army Dugway Proving Ground is responsible for the environmental safety, compliance, protection, conservation and restoration of the test center's nearly 800,000 acres of test range and infrastructure as it conducts a critical chemical and biological defense mission for the nation.

Jason Reed, chief of the Environmental Programs Division, said his team of experienced professionals plays an "integral part of the installations' environmental defense mission" and oversees compliance with the National Environmental Policy Act.

NEPA's basic policy is to assure that all branches of government give proper consideration prior to undertaking any federal action that significantly affects the

environment and promote accountability for government decisions that affect the environment in our nation's communities.

The Environmental Programs Division is part of the U.S. Army Garrison Directorate of Public Works and has two branches, the Conservation Management Branch and the Compliance Branch, working in tandem to manage and implement environmental programs.

The Conservation Management Branch is composed of geographer, archaeologists and wildlife biologists who respectively manage Geographic Information System (GIS) support, cultural resources and natural resources for the installation.

The Compliance Branch includes regulatory, air quality, water treatment, drinking water quality, recycling management, landfill, military munitions, restoration, and pest control specialists who ensure compliance with the laws and regulations in each of their areas of expertise.

The environmental team members emphasize there are a many local and national government Acts that facilitate and support Dugway's environmental program and activities, such as The Clean Water Act, the Clean Air Act, the Migratory Bird Treaty Act, the Sikes Act, the Antiquities Act, and the Resource Conservation and Recovery Act, just to name a few.

Both the conservation and the compliance branch owe much of their understanding of Army strategy and environmental stewardship to the Sikes Act. This act, named for World War I flying Ace Bob Sikes who also chaired a Congressional House

appropriations committee that now guides military environmental programs, promotes initiative and decision making and mandates cooperation between the Defense Department, the military services and state agencies to protect natural resources on military installations.

Another beneficial program used along with the Sikes Act is the Army Sustainable Range Program. Together they guide the land management practices that sustain long-term viability and utility of Army ranges and training lands to meet national defense mission requirements.

Dugway's environmental team also understands the need to conserve environmental resources for the future through preservation and restoration while protecting the health of the workforce and public.

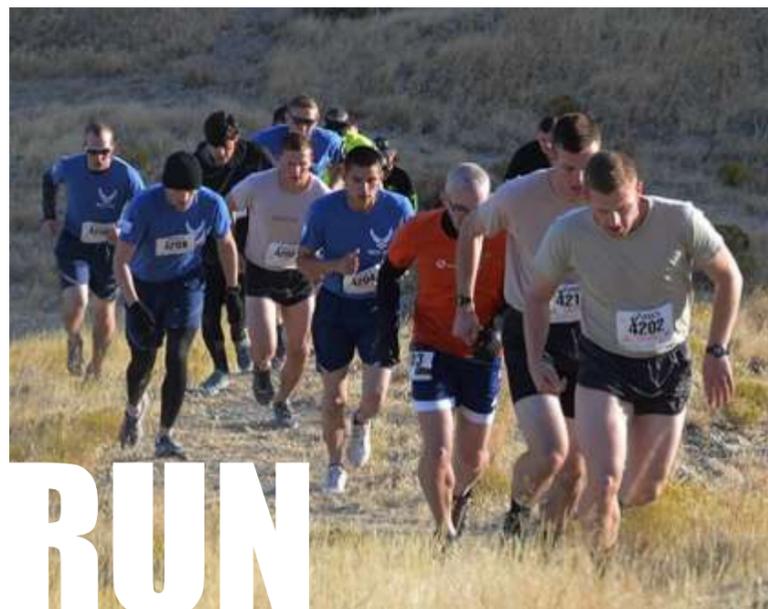
"The Army Sustainable Range Program directs a great deal of what we do here at Dugway to protect the environment," said Robbie Knight, a wildlife biologist for the team.

"Organizations that come here to test or train will need the land, air and water resources necessary to successfully meet their test and training requirements," Knight stressed. "It's critical that these natural ecosystems remain intact and are ready for testing and training in the years to come."

A good example of this is Dugway's fire restoration project. A recent wildfire on the installation left the area devoid of shrubbery and natural grasses.

"When our natural ecosystems are damaged by fire or other impacts, we work to restore them

◆ Proactive Stewardship.
Page 4



Holiday Hours

USAG Dugway Proving Ground
DFMWR/AAFES/Commissary

ACS/CYS Programs

9 November: Closed
23 November: Closed
25 December: Closed
1 January: Closed

Community Club & Ditto Diner

9 November: Closed
23 November: Closed
18 December - 1 January: Closed

Library

9 November: Closed
23 November: Closed
25 December: Closed
1 January: Closed

Shocklee Physical Fitness Center

11 November: 8:00 AM - 3:00 PM
23 November: Closed
24 December: 8:00 AM - 3:00 PM
25 December: Closed
31 December: 8:00 AM - 3:00 PM
1 January: Closed

AAFES Express (Shoppette)

10-12 November: 10:00 AM - 5:00 PM
23 November: Closed
24-26 November: 10:00 AM - 5:00 PM
24 December: 10:00 AM - 4:00 PM
25 December: Closed
31 December: 10:00 AM - 4:00 PM
1 January: 10:00 AM - 4:00 PM

Commissary

11 November: 11:00 AM - 5:30 PM
23 November: Closed
25 December: Closed
1 January: Closed





PROACTIVE STEWARDSHIP...

Continued from Page 3.

through reseeding with a seed mix of mostly native plant seed depending on the area being restored," said Keeli Marvel, a natural resource specialist for the team. "The restoration goals may include non-native, but beneficial species that serve a few different purposes to both out-compete the undesirable weed species and serve as a place holder to give the native species a chance to gain a toe-hold."

"Our long-term plan is to maintain healthy, sustainable, ecosystems," Marvel said.

"Our mission is not just about protecting the environment, but it's also about protecting human health," Reed said. "All aspects associated with clean air, water, solid and hazardous waste can have enormous human health

risks. Mitigating any issues by following established regulations ensures we're not putting the workforce or the public at risk."

It is no small task to ensure that tens of thousands of acres of natural ecosystems, from vast salt flats to enormous stretches of natural grasses and salt brush to the rugged rock mountains of Dugway Proving Ground, comply with the Army Strategy for the Environment.

These challenges motivate Reed and his team of environmental specialists to act.

"Finding ways to help Dugway and the Army protect and sustain the environment is exciting work and we are motivated everyday as we partner in the field with our test officers and leaders," said Reed. "The work is very challenging, but well worth the effort."



Gary Millar (left), chief of the Engineering Branch, Test Support Division at Dugway's West Desert Test Center, explains the capabilities and operation of the Active Standoff Chamber to a group of nearly 20 visitors from the German Army and Defense Ministry, Oct. 19, 2017, at Dugway Proving Ground, Utah. The group, part of an environmental technology data exchange agreement, received briefings about Dugway's overall mission, then toured other test facilities including the Joint Ambient Breeze Tunnel, Wig Mountain training complex, and biological test facilities. The purpose of the visit was to learn more about Dugway's capabilities to test and evaluate chemical and biological defense systems and how the U.S. trains its military personnel in chemical and biological defense. U.S. Army Dugway Proving Ground is the nation's designated Major Range and Test Facility Base for chemical and biological defense testing and countering weapons of mass destruction, contributing to the readiness of military service members and the defense of the nation. (Photo by Al Vogel, Dugway Proving Ground Public Affairs)



Though born of Mexican parents, Abraham Hernandez grew up in Provo light-skinned, without an accent. He didn't begin to speak English until preschool. "Growing up, I never experienced racism firsthand," he said as guest speaker during the Oct. 5 Hispanic Heritage Observance at Dugway Proving Ground. "I did see and hear it around me, and that would eventually affect my identity and how I saw myself in this world."

"I never denied being Hispanic, but I certainly never led an introduction with stating that fact," Hernandez said. He was denied a college Hispanic scholarship because his formidable leadership skills hadn't been "within my community." Then, the Provo School District hired him to assist adults learning English. His multicultural experience became invaluable.

Though America is often compared to a melting pot, Hernandez said it is more like a stew: individual identities with distinct flavors and textures enriching the mixture.

He ended his presentation by stating his pride in being a Mexican-American, gratitude to the country that adopted his parents and became his home, honor to enrich a country that has brought peace and opportunity to millions with diverse backgrounds, and thankfulness for celebrating a heritage and culture that has enriched America.

After his presentation, students from the Latinos in Action chapter of Stansbury High School presented Hispanic music and dance.

Col. Brant D. Hoskins, commander of Dugway Proving Ground, noted that Hispanics have defended America and its ideals for centuries. "I have never served without a Hispanic Soldier next to me," he said. "When the nation calls, the Hispanic community heeds that call. I'm proud to serve beside Hispanic Soldiers, Sailors, Airmen and Marines."

The event was capped by Hispanic food sampling cooked and served by Community Club employees.

Hispanic Heritage: multicultural experience filled niche



Hispanic Heritage Month Observance, Oct. 5, 2017 at U.S. Army Dugway Proving Ground, Utah. Music and dancing entertainment was provided by the Latinos in Action chapter at Stansbury (Utah) High School. Guest speaker was Abraham Hernandez, education and health promotion coordinator for Centro Hispano of Provo, Utah. Photo by Al Vogel, Dugway Proving Ground Public Affairs



ULTRA RUN

NON-UTAHNS PLACE WELL IN DUGWAY ULTRA RUN

By Al Vogel

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Three of the 10 first-place spots in the 2017 Dugway Trail & Ultra Run were taken by non-Utah runners, though non-Utahns comprised only eight of the 128 total runners in the Oct. 21 event. The annual run is the one day each year when secured U.S. Army Dugway Proving Ground allows public entry without sponsorship.

Six categories were offered over a course that offered flats, steep grades to climb, chilly temperatures in the 30s and 40s that kept runners cool, brilliant sunny skies, stunning desert vistas and elevation changes



The Dugway Trail & Ultra Run offers spectacular vistas of the remote desert of northwestern Utah, within Dugway Proving Ground's nearly 800,000 acres. The Oct. 21 event had 128 runners who ran 5K to 50K, Army and Department of Defense medics and paramedics provided aid if needed, and there were ample water stations and portable toilets along the courses. Photo by Al Vogel, Dugway Public Affairs.



Military and civilian runners approach the top of the first of many steep grades during the 10K course Oct. 21, 2017 at Dugway's Proving Ground's Trail & Ultra Run. The annual event is the only day each year when the heavily secured installation is open to the public. Photo by Al Vogel, Dugway Public Affairs.

along dirt paths that ranged from 4,700 to more than 5,000 feet above sea level.

The event was sponsored by Dugway's Family, Morale, Welfare and Recreation Office, which is under the Army's Installation Management Command. Other Dugway offices included Equal Employment Opportunity, Division of Emergency Services, defense contractor Jacobs and numerous volunteers.

Spc. Anthony Cruz of Dugway ran the popular 10K course. "It was definitely a beast," Cruz said. "It was tougher than I was expecting but I look forward to doing it next year."

Military four-person teams (10K, 12 runners): Air Force ROTC from

FIRSTPLACE FINISHERS IN EACH DIVISION

50K (31 miles, 10 runners): Alberto Garcia of Albuquerque, New Mexico, male category, time of 5 hours, 22 minutes, 33 seconds. Kari Bradley of Sandy, female category, with 6:45:06.

30K (18 miles, eight runners): Vicki Garcia of Albuquerque, female category, 3:33:46. Griffin Youngren of Sandy, male category, 2:31:23.

10K (6.2 miles, 37 runners): Gino Mangini of West Hollywood, California, female category, 00:54:04. Tim Cheneval of Park City, male category, 00:58:12.

Half Marathon (13.2 miles, 26 runners): David Farley of Erda, male category, 1:56:18. Amie Farley of Erda, female category, 1:49:58. Half Marathon division had 26 runners.

5K (3.1 miles): Dan Wheatley of Provo, male category, 00:29:20. Amanda Miley, West Valley City, female category, 00:37:47.

Military four-person teams (10K, 12 runners): Air Force ROTC from Brigham Young University sent three teams. The four individual times were averaged. First place went to Team 1: Jason Draper, Travis Woodfield, Juston Goldade and Spencer Staten. BYU was the only participant in this division.

Brigham Young University sent three teams. The four individual times were averaged. First place went to Team 1: Jason Draper, Travis Woodfield, Juston Goldade and Spencer Staten. BYU was the only participant in this division.

Army Reserve Lt. Col. Daniel Perugini ran the 10K course as an individual, and admired its challenges, but added smiling, "I'd much rather it be flat; going up

person team. "For the first time of doing a 10K it was a huge challenge, but I learned a lot about long-distance running and the excitement you get running in a large group," he said.

Twenty-two Dugway residents or employees participated, the most since the Ultra Run began in 2013. Out-of-state competitors were from New Mexico, New Hampshire and Idaho. The



5th Annual Dugway Trail & Ultra Run, open to the public, Oct. 21, 2017 at U.S. Army Dugway Proving Ground, Utah. Race categories were 5K, 10K, 1/2 Marathon, 30K, 50K and four-person military teams running 10K. The course was around Little Granite Peak (5 Mile Hill); 128 runners participated. Photo by Al Vogel, Dugway Public Affairs.

and down was difficult."

Army Reserve Maj. Kevin Burch learned the 10K's demands. "I liked it because it was difficult," he said. "I liked it because of the obstacles in the way, but I'm definitely going to be readier next year."

Air Force ROTC Cadet Lance Longshore ran the 10K as a four-

farthest runner was from Japan, who was visiting relatives on Dugway and registered last-minute.

The next Dugway Trail & Ultra Run will be October 2018.



AAFES Welcoming Home All of America's Veterans with Online Shopping Benefit

Shopmyexchange.com will open to all Honorably Discharged Veterans beginning Veterans Day 2017. After four years of coordination with the Departments of Defense, Army and Air Force as well as several other federal agencies, the Army & Air Force Exchange Service (AAFES) will welcome home approximately 15 million veterans on Nov. 11. "AAFES is honored to offer this well-deserved benefit to those who raised their right hands, took the oath and served our Nation with honor," said AAFES Director/CEO Tom Shull. "There are many generations of service members who have not been properly recognized for their sacrifices. The Veterans online shopping benefit acknowledges their service and welcomes them home."

NATIONAL DISABILITY EMPLOYMENT AWARENESS MONTH: DUGWAY OVERVIEW



Michael Barrett, outreach and education coordinator with the Anti-discrimination and Labor Division of the Utah Labor Commission speaks, Oct. 12, to Dugway employees in observance of National Disability Employment Awareness Month. He offered interesting insight into the requirements to file a workplace discrimination claim. Photo by Al Vogel, Dugway Proving Ground Public Affairs. Affairs.

By Al Vogel
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Utah Labor Division Outreach & Education Coordinator Michael Barrett provided information and helpful resources to Dugway Proving Ground employees, Oct. 12, during a National Disability Employment Awareness Month observance presentation.

Barrett stressed that for employees to be protected by state and federal laws, they must fall within certain classes.

Utah and federal laws protect employees from discrimination based on their race, color, religion, gender, national origin, age and disability. In addition,

Utah adds protection based on pregnancy, sexual orientation, gender identity and religious liberty.

Outside of these classes, official help may be limited or unavailable. Additionally, the employee must be qualified for the position, suffered adverse action and there must be at least an inference of discrimination. Those claiming age discrimination must be at least 40 years of age.

There are numerous requirements under each class. If **you believe you've been** discriminated against as an employee, you may contact the Utah Labor Division.



Michael Barrett, of the Utah Labor Commission (second from left) receives a certificate of appreciation from Col. Brant D. Hoskins, commander of Dugway Proving Ground, Oct. 12. Barrett gave a presentation to Dugway employees on the requirements of a workplace discrimination claim, in observance of National Disability Employment Awareness Month. At left: Aaron Goodman, Dugway garrison manager. At right: Command Sgt. Maj. Joe Bonds, Dugway Command Sgt. Major. Photo by Al Vogel, Dugway Proving Ground Public Affairs.

19

National Prescription Drug Take Back Event

Dugway Police Department and Drug Enforcement Agency (DEA) collected and properly disposed of more than 19 lbs. of prescription medication.



Every Veteran's Day gives us a chance to pause, remember and honor the sacrifices, courage and patriotism of the men and women who have worn a military uniform. Here are how four Dugway employees have, or will show, their appreciation to those who have defended the liberties we all hold dear.



Diane Taylor
Personnel Support Specialist, ATEC

"Ask them questions about their service. Both of my grandfathers were Veterans. Over the years I talked with them about their service. One spoke more frankly about his service than my other grandfather, who had been injured in World War II and suffered with a painful injury talked less. I think it's important to ask questions and really listen to their experiences. I also always post an American flag on Veteran's Day to honor their service."



Eric Schmidt
Project Specialist, Team Services

"Get involved in a Veteran's Day event. I used to be part of a choir in Logan, Utah. Every year we would hold a concert where we sang patriotic songs and treated all our Veterans to a free seat. It was a great opportunity to show our respect for their service."



Jessie Briscoe
Front Desk Customer Service, Dugway Lodging

"This Veteran's Day I want to place flowers at the Specialist Jordan M. Byrd Memorial and Ballpark. Jordan was a classmate of mine and I want to remember him and honor his service in a personal way."

*Specialist Jordan M. Byrd, 19, a combat medic with Company A 1st Battalion, 506th Infantry Regiment was killed during a fire fight Oct. 13, 2010 in Afghanistan, as he rendered life-saving aid to a member of his team. He was posthumously awarded the Silver Star, the Army's third highest award for valor.



Tarol Hull
Outdoor Recreation, Dugway FMWR

"I encourage everyone to talk with those who have served our country, particularly if you have a family member who has been in the military. This month, Dugway's FMWR is offering a trip to Nellis Air Force Base near Las Vegas for the Aviation Nation Air & Space Expo, which takes place over the Veterans Day holiday. I think that's a great way to honor our past and current service members."

If you have 1 QUESTION that might need 4 ANSWERS, send it to us for consideration at: usarmy.dpg.atec.mbx.pao@mail.mil

For a comprehensive list of 2017 Veterans Day events around the state, visit: <https://veterans.utah.gov/wp-content/uploads/2017/10/Veterans-Day-Events-2017.docx.pdf>

WINTER DRIVING
CONDITIONS AHEAD
ARE YOU READY?

Winter Car Care Check List

Battery and Charging System

A fully charged battery in good condition is required to start an engine in cold weather.

Battery Cables and Terminals

Make sure the battery terminals and cable ends are free from corrosion and the connections are tight

Drive Belts

Inspect the underside of drive belt, some serpentine belts are made of a material that does not show obvious signs of wear.

Engine Hoses

Look for leaks, cracks, or loose clamps. Squeeze hose and replace ones that are brittle or have excessively spongy feeling.

Wheels and Tires

Check that all lug nuts are present and tight. Ensure appropriate tire for the season. Tread depth is not less than 3/32-inch. Tire pressure is at the recommended PSI.

Lights

Check low and high beams, parking lights, drive lights, turn signals and emergency flashers.

Wiper Blades

Blades should completely clear glass with each swipe. Consider replacing with wiper blades rated for the snow.

Fluids

Use windshield washer fluid with an antifreeze component. Ensure other fluids are at the appropriate level (oil, transmission, power steering, brake, etc.).

Emergency Road Kit

- Mobile phone with pre-programmed with rescue aps and important numbers (family, emergency services)
- Drinking water
- First-aid kit
- Non-perishable snacks
- Bag of abrasive material (sand, salt, cat litter)
- Snow shovel
- Blankets
- Extra warm clothing
- Flashlight with extra batteries
- Ice scraper
- Jumper cables
- Warning devices (flares or triangles)
- Basic toolkit (screwdrivers, pliers, adjustable wrench)
- Tire chains



DUGWAY STORIES

WRITTEN BY
ROBERT RAMPTON



Contained within the 1,252 sq. miles of Dugway Proving Ground is found a surprising and diverse collection of geologic features. From ancient sunken river beds, to soaring Granite Mountain, to ever shifting sand dunes, to the shoreline scars of Lake Bonneville that ring surrounding ranges, to the desolate mud and salt flats, Dugway has always been a geologist's playground.

But located on a wind-swept slope on the southern tip of the Cedar Mountains exists a singular formation that is arguably the proving ground's most unique and unusual geologic treasure – **Devil's Post Pile**.

Geologically speaking, Devil's Post Pile is the eroded remains of an ancient volcanic neck, likely formed about 20 million years ago, when molten lava filled the vent of an active volcano, plugging it. Fracturing and cracking, caused by great internal stress as the cooling rock contracted, created the angular column structures seen today. It is primarily composed of andesite, a common igneous rock. The volcano eventually eroded away, exposing the neck. Geologists have surmised the formation may have towered more than 1,000 feet above its present height. Across the millennia, erosion caused great chunks of stone to slough off and tumble to the base, forming the vast talus field that surrounds the formation today. The portion of the neck visible to visitors is a fraction of what might remain buried beneath it.

Human visits to the formation have likely occurred for many hundreds of years. Indigenous hunters and gatherers of the Great Basin and later, explorers like Jedediah Smith, and John Fremont who traversed Skull Valley and the Cedar Mountains may have known of its existence. After 1847, when settlers began spreading out in all directions from Salt Lake City, men like Porter Rockwell and Matthew Orr established homesteads in Skull Valley and began grazing livestock, and exploring the Dugway region.

However, the credit for the modern "discovery" of the landmark goes to Daniel Orr, sometime about 1890. According to the story, as told by Dan, he happened upon the post pile while running livestock along a trail from his family's ranch, through White Rocks and into the Cedar Mountains. Orr also claimed to have given it the name it would be known by on area maps, geologic surveys and reports for more than half a century – **Moroni's Post Pile**.

Some people visiting the post pile, during the last hundred years, could not resist leaving a record of their presence for posterity on a prominent column or outcropping. Inscriptions and graffiti can be found on many surfaces. Some are simply initials or dates. Still others have become indecipherable by weathering and erosion. But others contain enough information to discover a few tales about who inscribed them and provide a glimpse into the past history of the region.

Unknown T. Kemp left his mark on the pile in 1900, one of the earliest found. Inscriptions by Julian Neff in 1906 and Ferris Neff in 1912 are connected. Both were cousins, and members of the Neff family, owners

thing, and artistically added circles at each corner representing bolts like a plaque on a building.

Salisbury was born in Melrose, a rural suburb north of Boston on his parent's small farm in 1909. After

buildings were 20 ft. x 100 ft. wood and tar paper structures, complete with wooden floors and a cast-iron pot-belly stove which burned soft coal.

The camp itself was situated in a

to familiar haunts in the east, Salisbury slipped out of his army boots and into civil service shoes and accepted a position at Deseret Chemical Depot where he worked until May 1949 when he returned to Dugway as superintendent of maintenance and utilities operations.

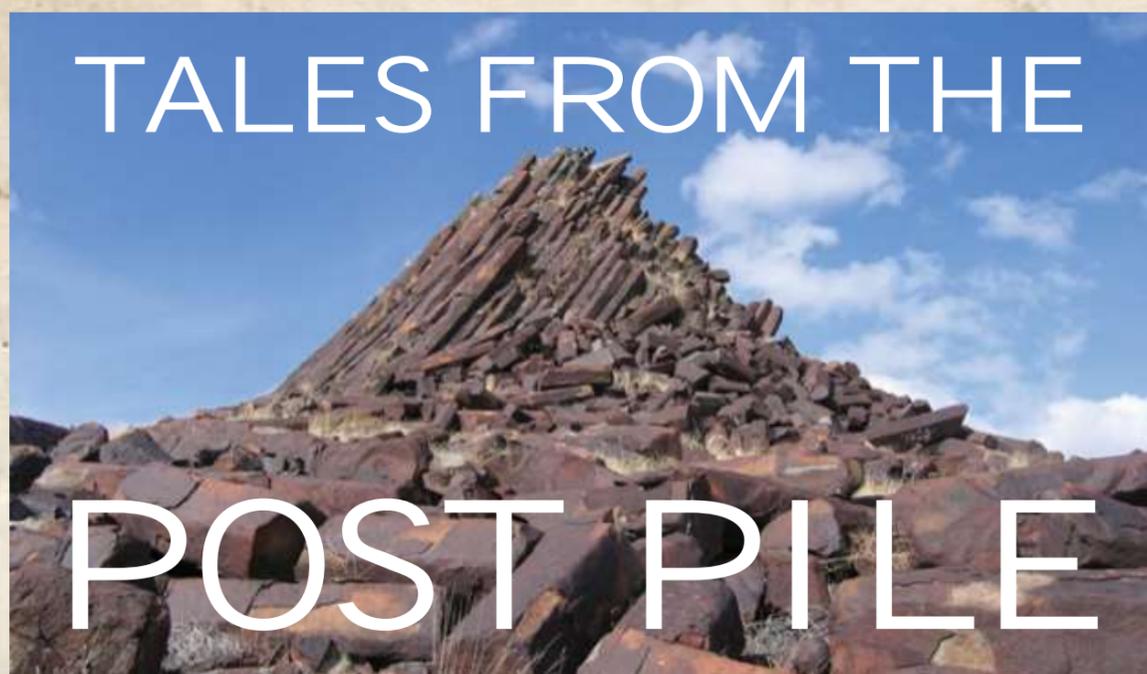
At the time, test activities at Dugway were on standby until more peacetime testing could support its existence. Salisbury became Dugway's caretaker. With a small group of civilians and a single troop detachment, Dog Area and other vacant facilities were maintained and protected from the encroaching Utah desert. Fixing damaged or collapsed roofs, shattered windows, broken pipes, even vandalism were regularly on the repair schedule. One of the first projects accomplished after deactivation was the construction of a fence around the perimeter of Dog Area to keep out the herds of wandering cattle that were grazing the playa.

By 1951, testing had returned and Dugway, now fully reactivated, was humming with activity again. Appropriations had returned as well funding new construction and expansion of Dugway's infrastructure. An influx of new soldiers and civilians fueled a housing expansion in Dog Area and the creation of a large trailer park called Fox Area. Salisbury was one of the first residents of the new area, occupying a comfortable trailer home at space D-6.

In 1954, Salisbury was made a mechanical engineer in the Facilities Division, and later was named chief of the engineering branch, the position he held until his retirement in 1969. With a career spanning more than 27 years of combined military and civil service, most of it at Dugway, Salisbury witnessed the birth of the proving ground and was a key player in the growth and expansion of the national asset we know today.

After his formal retirement, Salisbury remained at Dugway, residing in his house trailer at Fries Park (formerly Fox Area). He briefly managed the seismograph station at Dugway, operated by the University of Utah Department of Geology and Geophysics for the U.S. Coast and Geodetic Survey. He remained a member of the Dugway community until failing health required a move to an apartment in Salt Lake City. Salisbury passed away, from natural causes, in 1976. A life-long bachelor, he had no local family, only close friends who, along with members of his local Masonic Lodge, took care of arrangements to have him laid to rest near his family home in Massachusetts.

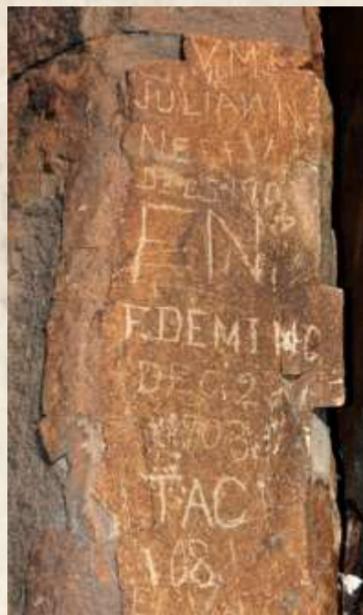
The author gratefully acknowledges the help and assistance of the following in the preparation of this article: Rachel Quist, Dugway Cultural Resources Manager; Mr. Don Clark, Geologist, Utah Geological Survey for the use of his photo of Devil's Post Pile; and Mr. John B. Anderson, Engineering Tech, WDTC for the use of his photo of the Salisbury inscription.



of a sprawling sheep ranch in Skull Valley. T. H. Russell chiseled his name in March of 1908, but who he was remains a mystery. Hurley Ziemann, possibly a soldier, carved his name several times, the last in



1957. There are others from 1967 and 1970. And ML + CM permanently etched their love for each other on a conspicuous rock face that surely will last longer than they probably did.



By far, the most noticeable inscription at Devil's Post Pile is one etched in a boulder face in 1946 by Alston Moore Salisbury. Being noticed by future visitors seemed to be his intent, for he chiseled the text in all upper-case letters then took time to underline all of it. Then, just to make sure it couldn't be missed, he carved a frame around the whole

graduation from high school, he continued his education at Massachusetts Agricultural College, pursuing a degree in Farm Management. At "Mass Aggie", he joined the Army R.O.T.C. Being an agricultural college, this was a mounted unit. He spent many happy hours in the saddle and became an accomplished horseman. Upon graduating with a B.S. in 1934, he was commissioned a 2nd Lt. in the Cavalry-Reserves.

Salisbury entered active duty service in February 1942, as a 2nd Lt.



in the Chemical Warfare Service, stationed at Edgewood Arsenal, Aberdeen Proving Ground, Maryland. He was assigned to work in the steam plant and later as maintenance officer in the locomotive repair shop. His time at Edgewood was short. By June, he was on a train bound for his next assignment, somewhere in the Utah desert, at a place he had heard almost nothing about – Dugway Proving Ground.

He arrived at Dugway in an old truck, June 20, 1942, one month after the troops had moved into Dog Area (now Ditto) from the Civilian Conservation Corps camp at Simpson Springs. Salisbury noted the bleak view of the camp on his arrival - a water tank, four barracks, a mess hall, three storage buildings, a guard shack, a BOQ (Base Officer's Quarters) with mess, a movie theater, and a few other miscellaneous buildings. With a few exceptions, all the

field of sand dunes that had been leveled off with a grader and, as a result, personnel walked through loose sand as they moved from building to building. Windblown sand filtered in around doors, windows and ventilators. There was sand in the bunks, sand in the clothing and sand in the food.

First assigned as assistant to the utilities officer, Salisbury was detailed to the Corps of Engineers in September and assigned as chief engineer and motor transportation

officer. All told, there were 25 officers, approximately 250 enlisted men, a few civilian office workers, a carpenter, an electrician and a well digger.

Promoted to first lieutenant in 1943 and to captain in 1944, he remained at Dugway until September 1946 when he was transferred to the San Jose Project, the Army's secret tropical test facility in the Republic of Panama. Salisbury carved his inscription during one last excursion into the test area wilderness thinking future postings would never return him to Utah and Dugway again.

The Panama assignment was a year of stifling heat, humidity, insects and general misery, far worse than anything he had experienced in the Utah desert. In 1947, he separated from the Army, receiving a promotion to major in the Chemical Corps. But instead of heading back

COMMUNITY CALENDAR

November 2017

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 West Desert Staff Meeting 0800 Ditto	2 Newcomers Orientation 1300 - 1500 Bldg. 5124 - Rm 239	2 RV Park Ribbon Cutting 1200	4
5	6 National American Indian Heritage Month Field Trip 1200 Monday Night Madness Football & Pizza Hope Chapel 1830	7 Election Day Garrison Staff Meeting - 0800 - Rm 1202	8 Amnesty Day Ammunition Supply Point 0800 - 1600 AFAP Conference ACS Community Ctr. 1030 - 1530 Command Staff Meeting - 0830 - Kuddes	9 Los Vegas / Nellis AFB Air Show Trip	10 Veterans Day (observed)	11 Veterans Day
12	13 Monday Night Madness Football & Pizza Hope Chapel 1830	14	15 West Desert Staff Meeting - 0800 Ditto	16	17 Park City / Outlet Mall Trip 0800	18 Turkey Shoot Skeet and trap Range 1000 - 1200
19	20 Monday Night Madness Football & Pizza Hope Chapel 1830	21 Garrison Staff Meeting - 0800 - Rm 1202	22 Executive Steering Committee - 0900 Ditto	23 Thanksgiving Day	24	25 Movie Premier Night 1430 - 2000 Sportsman's Lodge
26	27 Monday Night Madness Football & Pizza Hope Chapel 1830	28 Fire Extinguisher Class EV Fire Station 1000	29	30		

THE DISPATCH

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