

DoD Inoculation Program Underway at DPG

By Al Vogel

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Dugway Proving Ground received its first COVID-19 vaccine Jan. 12, when 110 doses were delivered to the Dugway Health Clinic. The installation's emergency responders – police, firefighters, dispatch, surety forces and security guards – received the first dose Jan. 19-28 under the Department of Defense's COVID-19 Prioritization Phase 1A. The vaccine requires two doses; Phase 1A's second dose will be after Feb. 15.

On Feb. 1, the first dose of a different group was given to Phase 1B: military, civilian or contractor personnel in critical positions preparing to deploy OCONUS within the next three months or on dedicated standby for OCONUS or CONUS missions, front line essential workers in education or child and youth services, persons 75 years or older, and Commissary or food service workers.

Those eligible to receive the vaccine at DPG will be notified by email. Inoculation is not mandatory but encouraged. The risk of a severe allergic reaction



Cammie Gunderson, Occupational Health Technician, gives a Moderna COVID-19 inoculation to Firefighter Matthew Bills at Dugway Proving Ground. Jan. 19 marked the first day of inoculations to designated emergency personnel. Their second inoculation will be after Feb. 15. Photo by Al Vogel, Dugway Public Affairs

from a Moderna COVID-19 inoculation is approximately 2.5 cases per million administered, notes the Centers for Disease

Control and Prevention.

An independent analysis determined that both Pfizer and Moderna COVID-19 vaccines are

95% effective at preventing both mild and severe symptoms. With widespread vaccination, the virus

◆ Inoculation program. Page 2.

Command Perspective



By Vincent M. Liddiard
Chief of Staff, Dugway, Utah

I remember leading a group on a hike to see a tree many hundreds, even thousands of years old. The Great Basin bristlecone pine tree weathers the

changing seasons, drought wind and rain. Through a constant process of renewal and careful growth the tree is constantly adding new roots and branches while old growth gives it strength and character.

At DPG we have taken on many attributes of this Utah native plant. We constantly strive to remain relevant to our customers. We develop and endure to ensure we meet mission requirements using current and edge leading technologies. We have a rich heritage of developing tools to test equipment designed meet the warfighter needs and employees with many years of experience. I remember remarking once to a coworker "I just reached my five year mark at DPG!" The

unrequested response was "so, you're new still."

We have welcomed new members to our family. We are glad you chose to join our team. I hope that you develop a sense of belonging and importance for the work you do.

We've had others depart. Some to explore new opportunities and some to enjoy retirement after a successful career. Unfortunately, dear friends have also passed away. We recently lost Dr. Brian Bennett. I remember him and his impact at DPG in both the chemical division and at the Bio Test Division. He added flair to DPG events with his majestic skill on the piano, and cared deeply for the people who supported the

mission.

We recently learned we will receive funds to upgrade our testing tools to meet requirements in key areas including defensive tools against emerging threats.

New large test efforts and availability of immunizations against COVID-19 are all positive changes we look forward to.

I believe better days are ahead of us. We each must act with hope to create a plan of action to adapt and succeed. As we do, we can be like the persistence of the bristlecone pine tree in resilience. Remaining supple enough to bend in the wind, and strong enough to gather the light for future growth.

INSIDE YOUR DISPATCH



TAKE THAT, COVID-19



The first doses of COVID-19 vaccine arrive at Dugway.

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COMMAND PERSPECTIVE



Positive changes herald better days ahead.

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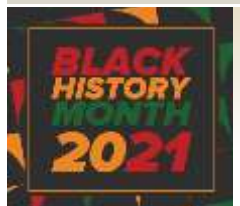
THE LAST WARRIOR



A decade of flights and a job well done.

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FEBRUARY IS...



Watch for Black History Month features and information throughout the month.

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NEW DETECTOR TESTING



JBTDS. So small and lightweight it can fit in a backpack.

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CHAPLAIN'S CORNER



The need to forgive and let things go.

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HIGHLIGHT REEL



The best of 2020 achievements.

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AND MUCH MORE

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is severely curtailed in its spread across communities.

As of Feb. 1, the COVID-19 virus has killed 2.2 million worldwide, 453,604 nationwide and 1,668 in Utah (worldometers.info). Getting both doses of the vaccine is one of many weapons to quell the pandemic, but continue to wear a

mask, practice social distancing, wash your hands frequently and stay home if you are sick.

“Protection against COVID-19 is paramount because we don’t know how it will affect us or our loved ones,” said Col. Scott Gould, commander of Dugway Proving Ground.



Occupational Health Technician Tiffany Nells of the Dugway Health Clinic inoculates Dugway Proving Ground Fire Rescue member Oliver Silva against the COVID-19 coronavirus Jan. 20, 21.




Sage Farmer, Occupational Health Technician, explains an aspect of the Moderna COVID-19 vaccine to Dispatch Supervisor Courtney Montoya. This was the first of two inoculations for emergency personnel at Dugway Proving Ground, the second won't be until after Feb. 15. Photos by Al Vogel, Dugway Public Affairs

For more information visit:

- <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/index.html>
- <https://coronavirus.utah.gov/vaccine/>
- <https://coronavirus.utah.gov/vaccine-distribution/>
- [Moderna COVID-19 vaccine fact sheet](#)
- [Pfizer COVID-19 vaccine fact sheet](#)

**WE'RE ALL
IN THIS
Together**



All donations are tested for COVID-19 antibodies.
Plasma from antibody-positive donations may help current coronavirus patients in need.

Blood Drive
Dugway Proving Ground
(Covid antibody testing offered)

MWR Community Center Building #5124
Multipurpose Room
Dugway, UT 84022

Thursday, March 4, 2021
10:00 a.m. to 3:00 p.m.

Please visit RedCrossBlood.org and enter: dugway
To schedule an appointment.



Warrior's Last Flight Over DPG

By Darrell Gray
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The Warrior unmanned aerial system (UAS) took its last flight over Dugway Proving Ground on Jan. 20, 2021. The General Dynamics UAS took its first flight at Dugway in March 2010, totaling 1,391 sorties flown and a total of 5,781 flight hours logged.

The Warrior program has several aerial platforms that have flown over the Utah

Test and Training Range (UTTR) and has seen activity in theater supporting troops with surveillance, target acquisition, and engagement.

Dugway Proving Ground would like to wish those involved in the Warrior Alpha Training Program, General Dynamics, and other essential personnel involved in this truly unique and vital mission, a fond farewell and congratulations on a job well done.



FEBRUARY IS
BLACK
HISTORY MONTH

DUGWAY PROVING GROUND

New Biological Detector Undergoing Testing

By Al Vogel
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The Biological Testing Division (BTD), a tenant unit on Dugway Proving Ground (DPG), recently began testing a prototype biological agent detector with simulated agent. This marks the first time that a biological test has been conducted by BTD since 2015, when the Utah test facility's command was transferred from DPG to the Edgewood Chemical Biological Center (ECBC). The ECBC was renamed the Army's Chemical Biological Center, and under the Combat Capabilities Development Command (DEVCOM).

The new detector is the Joint Biological Tactical Detection System (JBTDS), expected to replace the much larger and heavier Joint Biological Point Detection System (JBPDS), typically carried on vehicles and ships. The JBPDS was extensively tested at DPG in the

early 2000s and approved for full production in 2009. It remains in current use.

Compared to its predecessor, the prototype JBTDS is small and light enough to be carried in a backpack, and requires a smaller sample to identify a biological threat.

Also, JBTDS more reliably identifies the suspected threat by employing Polymerase Chain Reaction, a method that rapidly makes millions or billions of copies of a specific DNA, amplifying it to an amount large enough to study in detail.

When the alarm sounds, the operator retrieves the dry filter from the JBTDS' collector, then uses liquid to extract a sample from the filter for the detector's identifier. The remaining liquid sample is taken to a lab to confirm the detector's identification.

"The sample extraction process is a closed system, so that makes

it easy for the end user (Soldier) to use a particular sample for field identification," said Jon Hogan, Physical Scientist and Test officer.

During testing, three JBTDS detectors at a time are challenged in a sealed chamber with simulated biological threats that are airborne bacteria, viruses, spores and biological toxins.

Testing of the JBTDS will continue into spring of 2022. Seven sub-tests, challenging the JBTDS to perform in different environments, will be conducted. Additionally, the detector/collector will be challenged with 20 different agent preparations and one simulant.

Testing is rigorous to ensure that the JBTDS functions reliably, correctly and accurately in a wide range of conditions to protect U.S. forces and their allies around the world.

EMPOWERING THE NATION'S DEFENDERS

CHAPLAIN'S CORNER

By Chaplain (MAJ) Wesley A. Gornall

In 1 Corinthians 13 Paul describes what love is. In verse 5, he tells us what love is NOT: "it is not rude," and "it keeps no records of wrongs." To put it simply, love has to have thick skin. Love has to exhibit a lot of grace for a relationship to grow and mature. Otherwise, the constant tally of wrongs will sour and eventually ruin a good relationship. When you live with someone over a lifetime, there is a lot to overlook, a lot to understand, and even more to remind yourself, "it doesn't matter." It takes time – maybe years – to realize you need to forgive and let things go.

I have seen couples in new and in well-seasoned marriages who are consumed with keeping count of wrongs being done to them.

Maybe it's a wrong look, the garbage that didn't make it to the curb, a wrong word. The little things start to add up, lists are mentally noted, and emotions are simmering.

You can ease this emotional pressure cooker by sharing your frustrations with your spouse or letting it go. If you can't let it go, and talking about it hasn't worked, go see a counselor. Get a third person in the room. A referee will help slow the conversation down, clarify issues, and dig out the meaning in your grunts and complaints. A good relationship is a joy and a support in life. A relationship filled with lists, nagging, and continuous skirmishes is painful. How thick is your skin? What needs to change in you for the relationship to be better, to grow, and to thrive in the love you have for each other?



The Joint Biological Tactical Detector System (JBTDS) awaits testing with simulated agent at Dugway Proving Ground. Its legs collapse and fold alongside the detector's body, making it easier to carry and deploy than the current Joint Biological Point Detection System (JBPDS) that is larger and heavier. Photos by Al Vogel, Dugway Public Affairs



John Hogan, physical scientist and test officer, holds a ruggedized tablet that warfighters will use to monitor the Joint Biological Tactical Detector System (JBTDS). The detector system is undergoing rigorous testing at Dugway Proving Ground.



Smaller and lighter than the Joint Biological Point Detection System (JBPDS) in current use, the Joint Biological Tactical Detector System may replace JBPDS if it passes muster.

THE DISPATCH

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EMPOWERING THE NATION'S DEFENDERS

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

U.S. ARMY DUGWAY PROVING GROUND

2020 ACHIEVEMENTS

EMPOWERING THE NATION'S DEFENDERS



WEST DESERT TEST CENTER

- Conducted 139 testing events
- Conducted 60 events focused on improving tactics, techniques and procedures
- Trained +2,500 Soldiers, including + 1,000 Utah Soldiers
- Hosted the Technology Experimentation & Characterization Field Trials (TECFT) to test new detection systems; conducted record-breaking 138 test trials
- Fabricated or conducted V&V of four new test fixtures that will evaluate next-gen chemical detection systems
- Completed MIL-STD-810 testing on a joint force protective undergarment, smoke generator, portable biological detector, and next-gen chemical detectors
- Conducted multiple detonations of a new explosive formulation inside Granite Tunnel; provided data for thermal model for weaponeering programs
- Completed construction of 3 large gravel pads to support Boeing CST-100 Starliner project



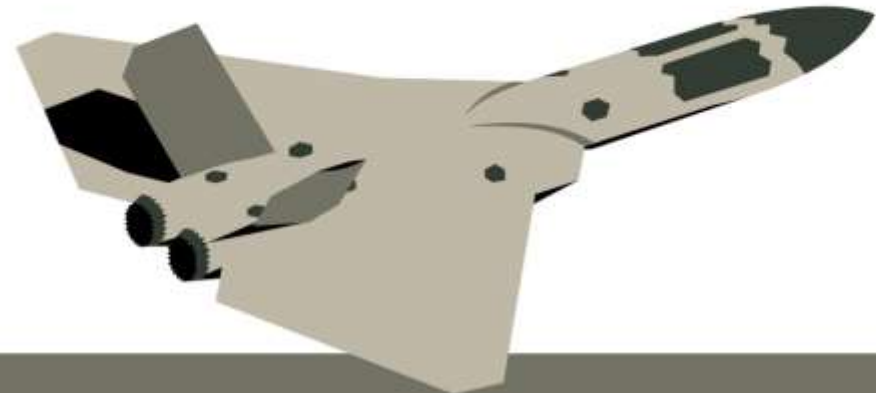
NEW WAY OF DOING BUSINESS

- To mitigate COVID risks, quickly transitioned to a maximized teleworking environment with little loss in productivity
- Safely conducted testing and training activities without a positive COVID case stemming from a hosted event
- Negligible financial impacts from COVID delaying or canceling some workload activities
- Conducted range cleanup during COVID-initiated DoD travel restrictions, keeping workforce employed and improving test environment
- Successfully established the WDTC Logistics Division, assuming property book, equipment and fleet management duties



AIR OPERATIONS

- Supported 11,531 manned and unmanned flights at the airfield and range, including:
 - 35 weeks of lethal unmanned aerial system (UAS) testing
 - Multiple flights to accomplish a historic manned-unmanned teaming live missile fire between a Gray Eagle UAS, Shadow UAS and Apache helicopter
 - Test deployments of the X-61A Gremlins Air Vehicle (GAV)
 - Supported developmental testing of the 5th Generation Aerial Target (5GAT)
 - The last flight of the Hunter UAS over Dugway



PROJECT OF THE YEAR



A two-year effort to monitor golden eagle nests utilizing unmanned aircraft systems was named the 2020 Resource Conservation and Resiliency Project of the Year by the DoD's Environmental Security Technology Certification Program. The results of the study will help DPG and other military bases protect nesting eagles while maximizing testing and training activities.